



Service
Service
Service



Service Manual

Horizontal Frequency
30- 80 kHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics might create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.

Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.

CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

Take care during handling the LCD module with backlight unit

-Must mount the module using mounting holes arranged in four corners.

-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.

-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.

-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).

-Make certain that treatment person's body is grounded through wristband.

-Do not leave the module in high temperature and in areas of high humidity for a long time.

-Avoid contact with water as it may a short circuit within the module.

-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

Revision List

1. Product Feature

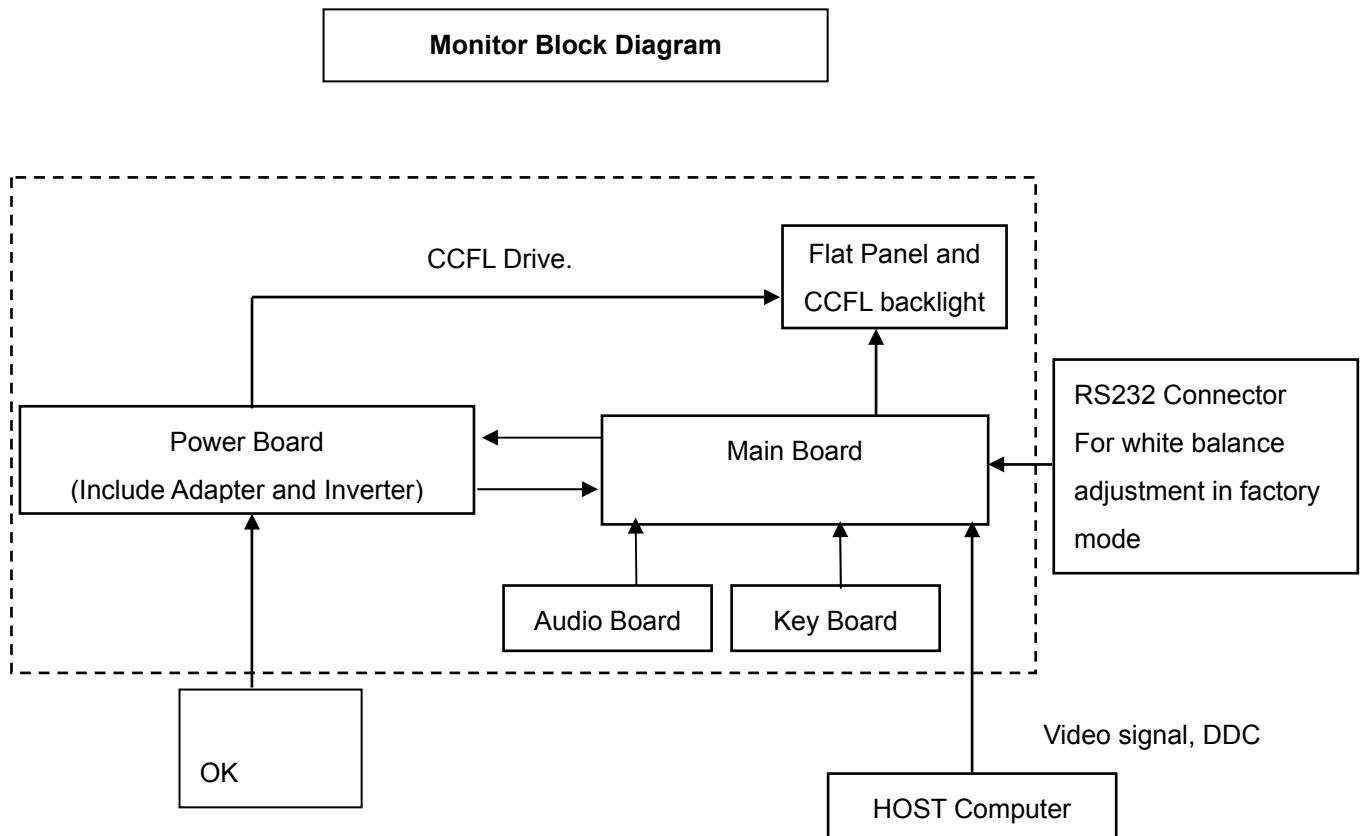
| | | |
|-----------------------|--------------------------------|-----------------------------|
| | Driving system | TFT Color LCD |
| LCD Panel | Size | 43.2cm(17.0") |
| | Pixel pitch | 0.264mm(H) × 0.264mm(V) |
| | Video | R,G,B Analog Interface |
| Input | Separate Sync. | H/V TTL |
| | H-Frequency | 30kHz – 80kHz |
| | V-Frequency | 55-75Hz |
| Display Colors | | 16.2M Colors |
| Dot Clock | | 135MHz |
| Max. Resolution | | 1280 × 1024 @75Hz |
| Plug & Play | | VESA DDC2BTM |
| EPA ENERGY STAR® | ON Mode | ≤37W |
| | OFF Mode | ≤1W |
| Input Connector | 15-pin D-Sub | |
| Input Video Signal | Analog:0.7Vp-p(standard), | |
| | 75 OHM, Positive | |
| Maximum Screen Size | Horizontal : 338mm | |
| | Vertical : 270mm | |
| Power Source | 100~240VAC,47~63Hz | |
| Environmental | Operating Temp: 5° to 35°C | |
| Considerations | Storage Temp.: -20° to 60°C | |
| | Operating Humidity: 10% to 85% | |
| Dimension | 399(H)×433(W)×133(D)mm | |
| Weight (N. W.) | 4.25kg Unit (net) | |
| External Controls: | Switch | Auto Adjust Key |
| | | Brightness |
| | | Contrast |
| | | Power Button |
| | | MENU |
| External Controls: | Functions | Contrast |
| | | Brightness |
| | | Focus |
| | | Clock |
| | | H. Position |
| | | V. Position |
| | | Auto Config |
| | | Language |
| | | Information |
| | | OSD Setup |

| | |
|-----------------------|------------------------|
| | (Warm)Color |
| | (Cool)Color |
| | User Color temperature |
| | sRGB |
| | Reset |
| | Exit |
| Regulatory Compliance | CE, FCC, cULus, TUV-S |

2. LCD Monitor Description

The LCD MONITOR will contain a main board, a power board, a key board and an audio board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC voltage to drive the backlight of panel and the main board chips each voltage.



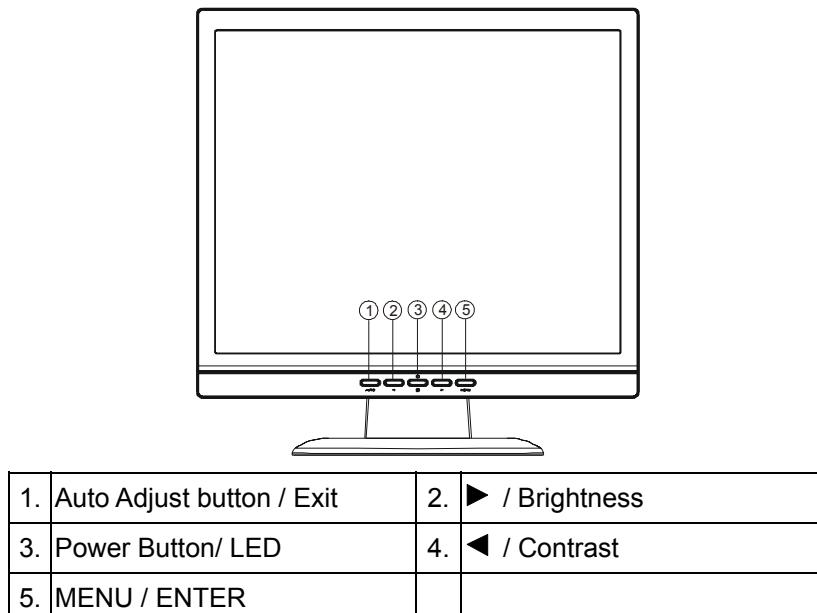
3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at the front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 Control Buttons



- **Power Button:**

Press this button to turn the monitor ON or OFF.

- **Power Indicator:**

Blue — Power On mode.

Orange — Off mode.

- **MENU / ENTER :**

Activate OSD menu when OSD is OFF or activate/de-activate adjustment function when OSD is ON or Exit OSD menu when in Brightness /Contrast Adjust OSD status.

- **Brightness :**

Adjust brightness or function adjust.

- **Contrast :**

Adjust contrast or function adjust.

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).

2. When OSD menu is in off status, press this button for 2 seconds to activate the Auto Adjustment function.

The Auto Adjustment function is used to set the HPos, VPos, Clock and Focus.

3.3 Adjusting The Pictures

1. Press the MENU-button to activate the OSD window.
2. Press < or > to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press < or > again to navigate through the sub-menu Functions. Once the desired function is highlighted, press MENU-button to activate it.
3. Press < or > to change the settings of the selected function.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.



The table below describes the function of each OSD icon.

| Main Menu Item | Main Menu Icon | Sub Menu Item | Sub Menu Icon | Description |
|----------------------|-------------------|---------------------|------------------|--|
| Luminance | | Contrast | | Contrast from Digital-register. |
| | | Brightness | | Backlight Adjustment |
| Image Setup | | Focus | | Adjust Picture Phase to reduce Horizontal-Line noise |
| | | Clock | | Adjust picture Clock to reduce Vertical-Line noise. |
| Image Position | | H. Position | | Adjust the horizontal position of the picture. |
| | | V. Position | | Adjust the vertical position of the picture. |
| Color Temp. | | Warm | N/A | Recall Warm Color Temperature from EEPROM. |
| | | Cool | N/A | Recall Cool Color Temperature from EEPROM. |
| | | sRGB | N/A | Recall sRGB Temperature from EEPROM. |
| | | User / Red | | Red Gain from Digital-register. |
| | | User / Green | | Green Gain Digital-register. |
| | | User / Blue | | Blue Gain from Digital-register. |

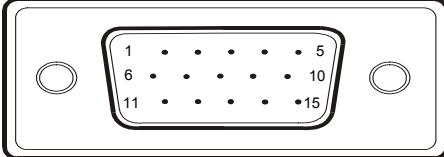
| | | | | |
|-------------|---|-------------|---|--|
| Auto Config |  | Yes | N/A | Auto Adjust the H/V Position, Focus and Clock of picture. |
| | | No | N/A | Do not execute Auto Config, return to main menu. |
| OSD Setup |  | H. Position |  | Adjust the horizontal position of the OSD. |
| | | V. Position |  | Adjust the vertical position of the OSD. |
| | | OSD Timeout |  | Adjust the OSD timeout. |
| Language |  | Language | N/A | Set OSD language |
| Information |  | Information | N/A | Show the resolution, H/V frequency and input port of current input timing. |
| Reset |  | Yes | N/A | Clear each old status of Auto-configuration. |
| | | No | N/A | Do not execute reset, return to main menu. |
| Exit |  | N/A | N/A | Exit OSD |

4. Input/Output Specification

4.1 D-SUB connector

| Pin No. | Description | Pin No. | Description |
|---------|-------------|---------|------------------|
| 1. | Red | 9. | +5V |
| 2. | Green | 10. | Detect Cable |
| 3. | Blue | 11. | TXD |
| 4. | RXD | 12. | DDC-Serial Data |
| 5. | Ground | 13. | H-Sync |
| 6. | R-Ground | 14. | V-Sync |
| 7. | G-Ground | 15. | DDC-Serial Clock |
| 8. | B-Ground | | |

VGA Connector layout



4.2 Factory Preset Display Modes

| STANDARD | RESOLUTION | HORIZONTAL FREQUENCY | VERTICAL FREQUENCY |
|----------|-------------|----------------------|--------------------|
| Dos-mode | 720 x 400 | 31.47kHz | 70.0Hz |
| VGA | 640 x 480 | 31.47kHz | 60.0Hz |
| | 640 x 480 | 37.50kHz | 75.0Hz |
| SVGA | 800 x 600 | 37.879kHz | 60.0Hz |
| | 800 x 600 | 46.875kHz | 75.0Hz |
| XGA | 1024 x 768 | 48.363kHz | 60.0Hz |
| | 1024 x 768 | 56.476kHz | 70.0Hz |
| | 1024 x 768 | 60.021kHz | 75.0Hz |
| SXGA | 1280 x 1024 | 64.000kHz | 60.0Hz |
| | 1280 x 1024 | 80.000kHz | 75.0Hz |

5. Panel Specification

5.1 General Characteristics

| ITEM | SPECIFICATION |
|-------------------------|---|
| Display Area(mm) | 337.920(H)x270.336(V) (17.0-inch diagonal) |
| Number of Pixels | 1280(H)x1024(V) |
| Pixel Pitch(mm) | 0.264(H)x0.264(V) |
| Color Pixel Arrangement | RGB vertical stripe |
| Display Mode | normally white, TN |
| Number of Colors | 16.2M(6 Bit+FRC) |
| Brightness(cd/m^2) | 300 cd/m ² (Typ.) (Center point, Lamp current=7.5 mA) |
| Viewing Angle | 140/130(Typ.) |
| Surface Treatment | Anti-glare |
| Total Module Power(W) | 24.83(Typ.) |
| Optimum Viewing Angle | 6 o'clock |
| Module Size(mm) | 358.5(W)x296.5(H)x17.5(D) |
| Module Weight(g) | 2600(Typ.) |
| Backlight Unit | CCFL, 4 tables, edge-light(top*2/bottom*2) |

5.2 Optical Characteristics

The optical characteristics are measured under stable conditions at 25±2°C(Room Temperature) :

| ITEM | SYMBOL | CONDITION | 170EA08QI | | | UNIT | |
|-------------------|------------|---------------------------|---------------------------|----------------|----------------|-------------------|-------------------|
| | | | MIN. | TYP. | MAX. | | |
| Contrast Ratio | CR | $\theta = \phi = 0^\circ$ | 450 | 500 | -- | -- | |
| Luminance(CEN) | L | $\theta = \phi = 0^\circ$ | 250 | 300 | -- | cd/m ² | |
| 9PUniformity | ΔL | $\theta = \phi = 0^\circ$ | 75 | 80 | -- | % | |
| Response Time | Tr | $\theta = \phi = 0^\circ$ | -- | 2.5 | 6 | ms | |
| | Tf | $\theta = \phi = 0^\circ$ | -- | 5.5 | 8 | ms | |
| Crosstalk | CT | $\theta = \phi = 0^\circ$ | 0 | -- | 1 | % | |
| Viewing Angle | Horizontal | ϕ | CR ≥ 10 | -65~65 | -70~70 | -- | |
| | Vertical | θ | | -65~55 | -70~60 | -- | |
| Color Coordinates | White | X Y | $\theta = \phi = 0^\circ$ | 0.283 0.299 | 0.313 0.329 | 0.343 0.359 | Color Coordinates |
| | Red | X Y | | 0.621 0.301 | 0.651 0.331 | 0.681 0.361 | |
| | Green | X Y | | 0.248 0.587 | 0.278 0.617 | 0.308 0.647 | |
| | Blue | X Y | | 0.112 0.045 | 0.142 0.075 | 0.172 0.105 | |
| Gamut | CG | $\theta = \phi = 0^\circ$ | 70 | 72 | -- | % | |
| Gamma | Y | VESA | 2.0 | 2.2 | 2.4 | -- | |

5.3 Electrical Characteristics**TFT LCD MODULE**

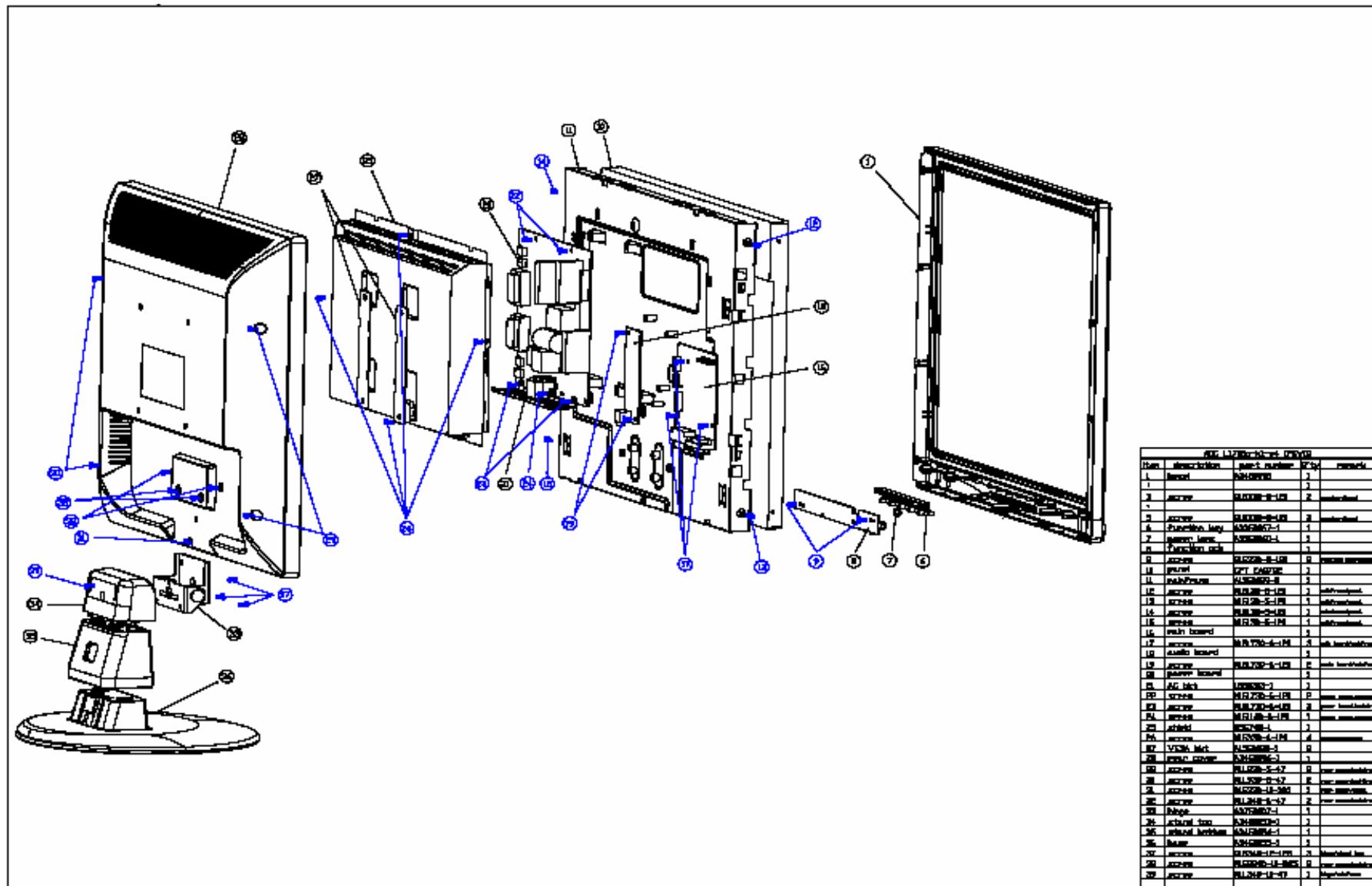
| ITEM | SYMBOL | MIN | TYP | MAX | UNIT |
|---------------------------------|-----------------|-----|------|------|-------|
| Power Supply Voltage for LCD | V _{CC} | 4.5 | 5.0 | 5.5 | V |
| Power Supply Current for LCD | I _{CC} | -- | 850 | 1100 | mA |
| Permissive Input Ripple Voltage | V _{RP} | -- | -- | 100 | mVp-p |
| Power consumption | P | -- | 4.25 | 6.0 | W |

BACKLIGHT UNIT

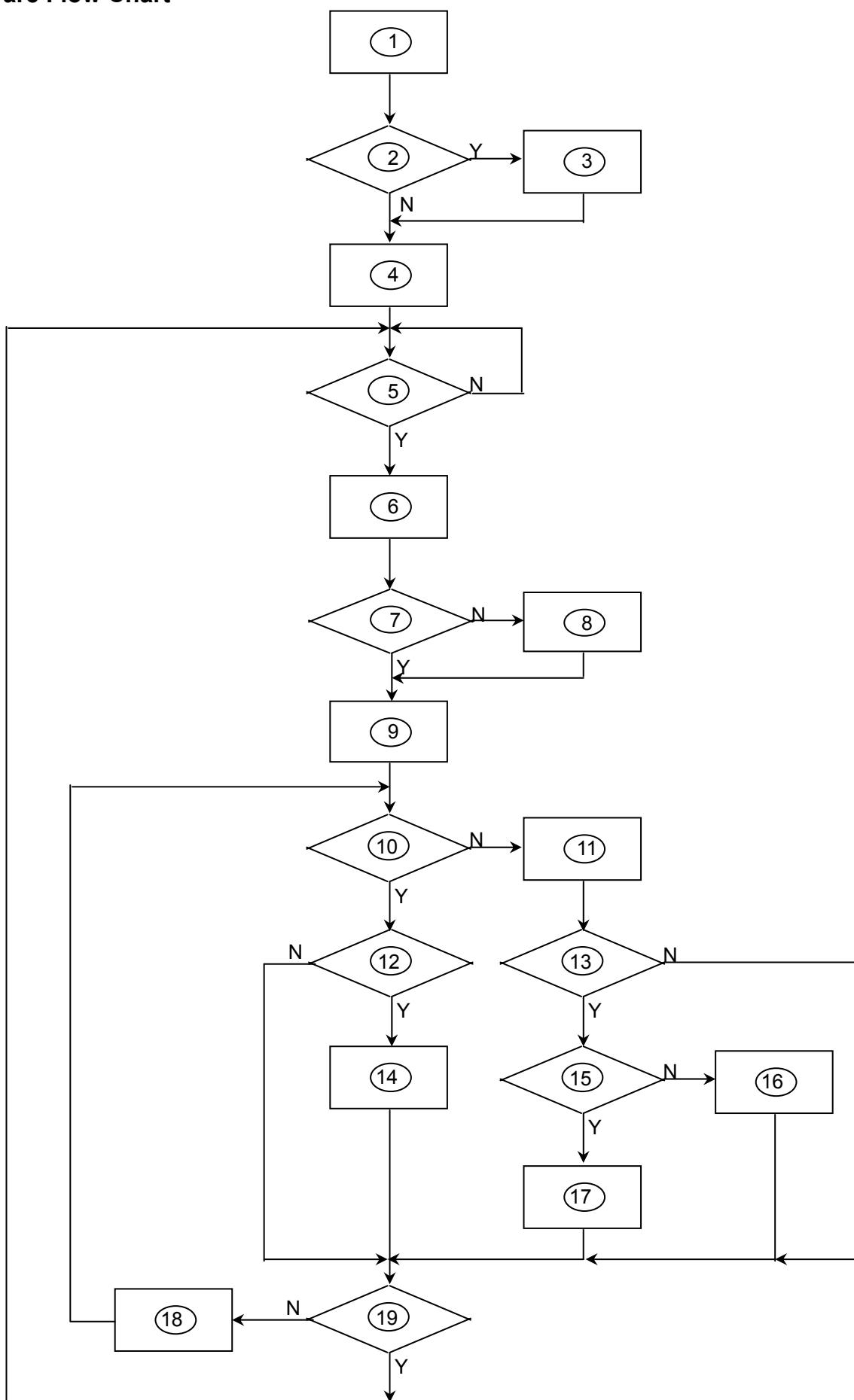
| ITEM | SYMBOL | MIN | TYP | MAX | UNIT |
|-----------------------|----------------|-----|-----|------|-------------------|
| Lamp Voltage | V _L | 590 | 680 | 750 | V _{rms} |
| Lamp Current | I _L | 7.0 | 7.5 | 8.0 | mA _{rms} |
| Interter Frequency | F _I | 45 | 50 | 60 | kHz |
| Starting Lamp Voltage | V _S | -- | -- | 1710 | V _{rms} |
| | | -- | -- | 1490 | V _{rms} |

6. Block Diagram

6.1 Monitor Exploded View



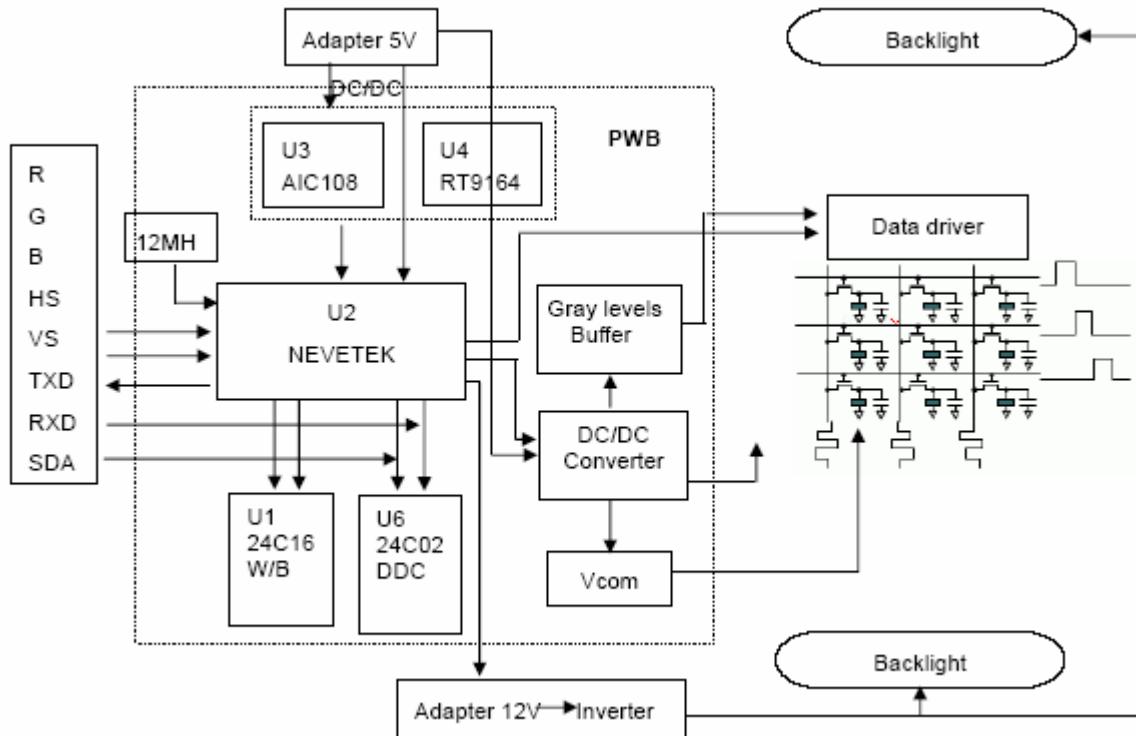
6.2 Software Flow Chart



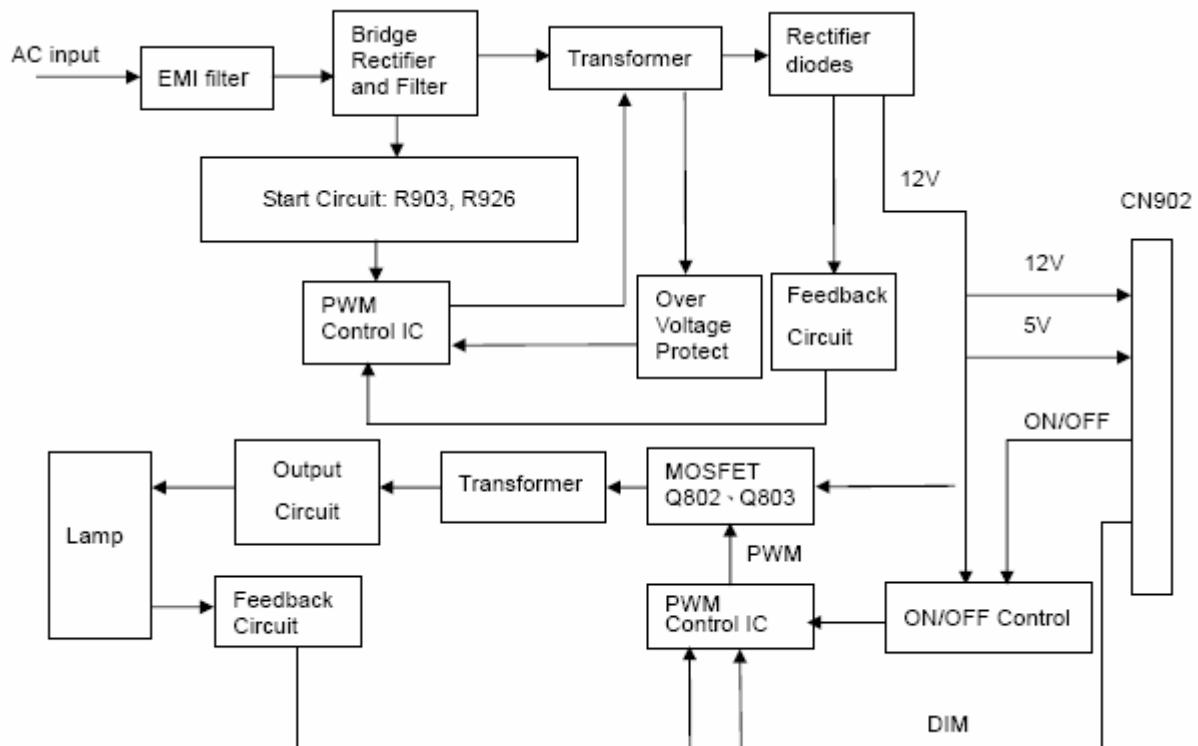
| |
|--|
| 1) MCU initializes. |
| 2) Is the EEPROM blank? |
| 3) Program the EEPROM by default values. |
| 4) Get the PWM value of brightness from EEPROM. |
| 5) Is the power key pressed? |
| 6) Clear all global flags. |
| 7) Are the AUTO and SELECT keys pressed? |
| 8) Enter factory mode. |
| 9) Save the power key status into EEPROM. Turn on the LED and set it to green color. Scaler initializes. |
| 10) In standby mode? |
| 11) Update the lifetime of back light. |
| 12) Check the analog port, are there any signals coming? |
| 13) Does the scalar send out an interrupt request? |
| 14) Wake up the scalar. |
| 15) Are there any signals coming from analog port? |
| 16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappears. |
| 17) Program the scalar to be able to show the coming mode. |
| 18) Process the OSD display. |
| 19) Read the keyboard. Is the power key pressed? |

6.3 Electrical Block Diagram

6.3.1 Main Board

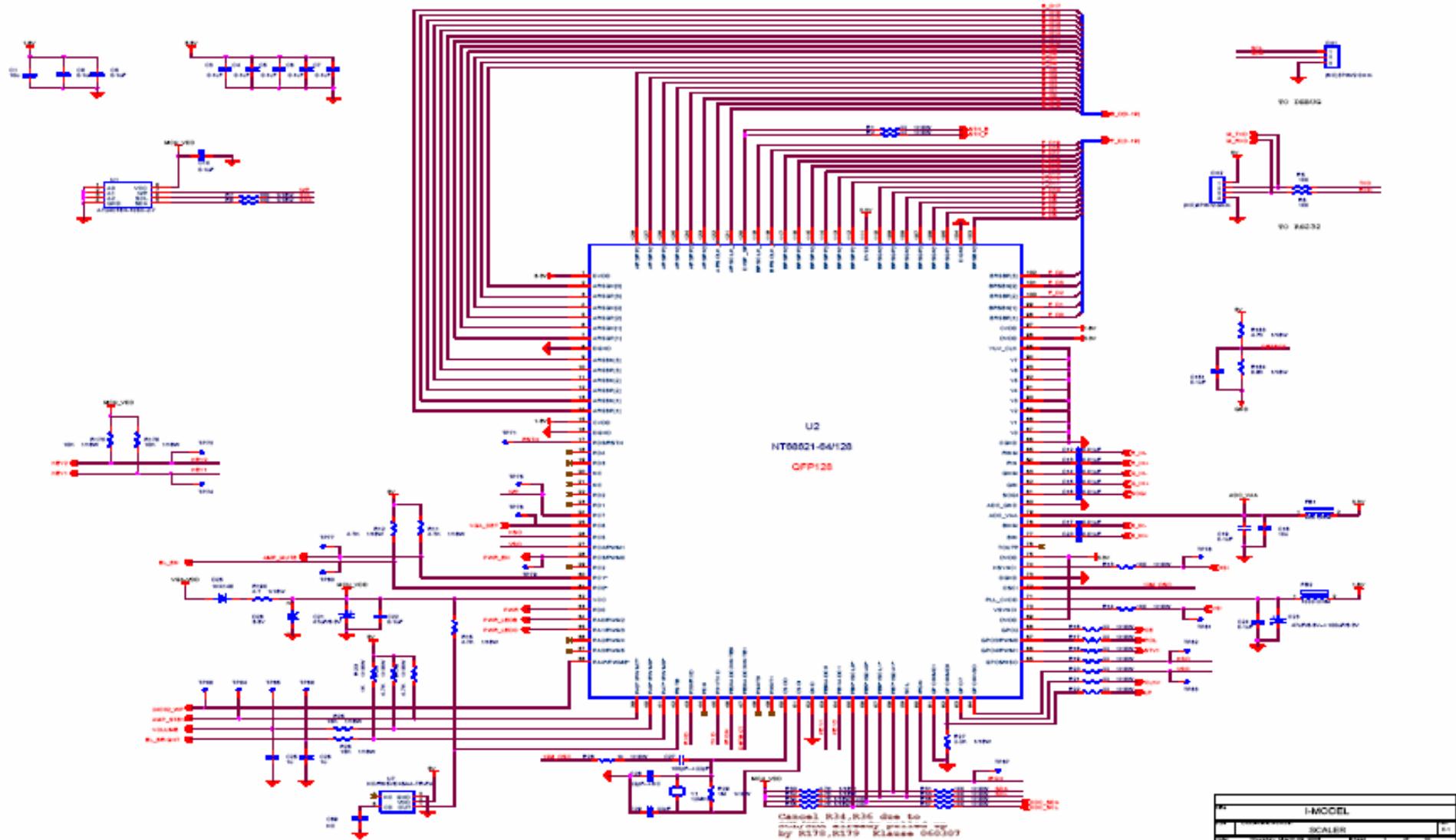


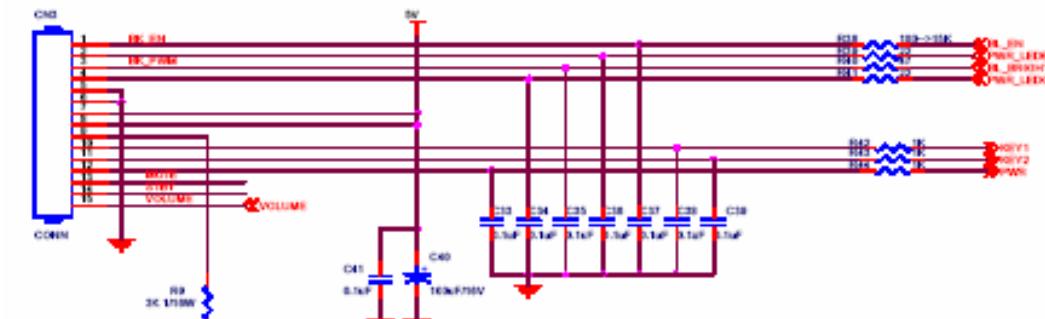
6.3.2 Inverter/Power Board



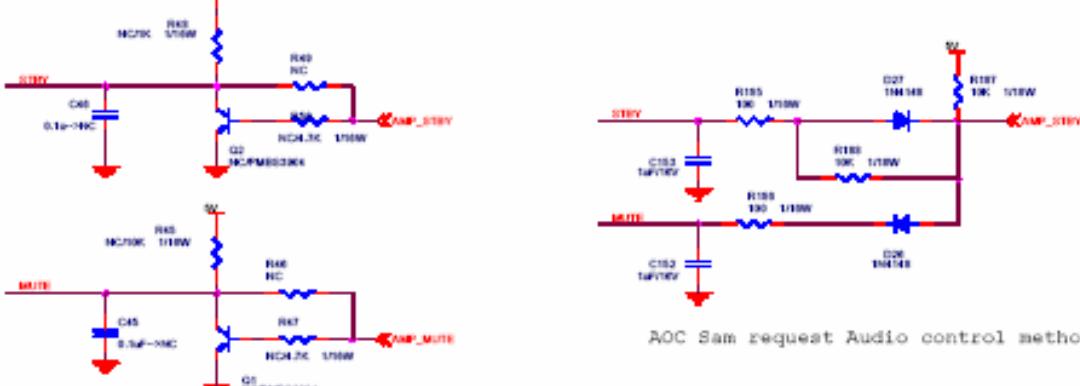
7. Schematic

7.1 Main Board



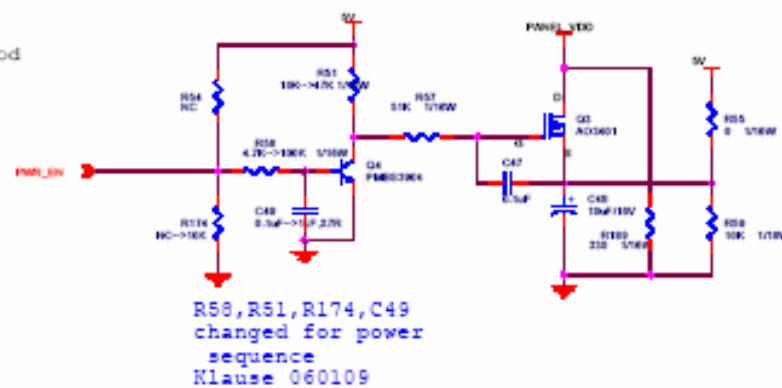
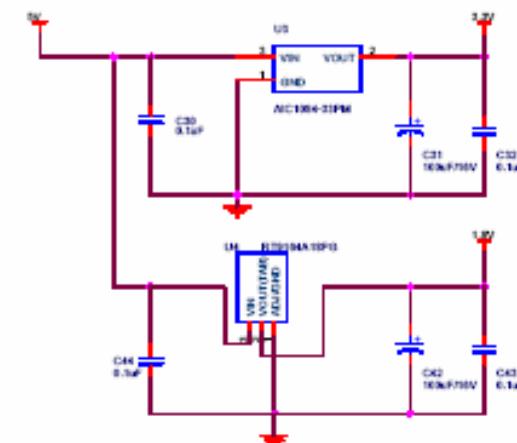


CPT request to add R9 for CTOC to monitor VCOM Klausze 060307



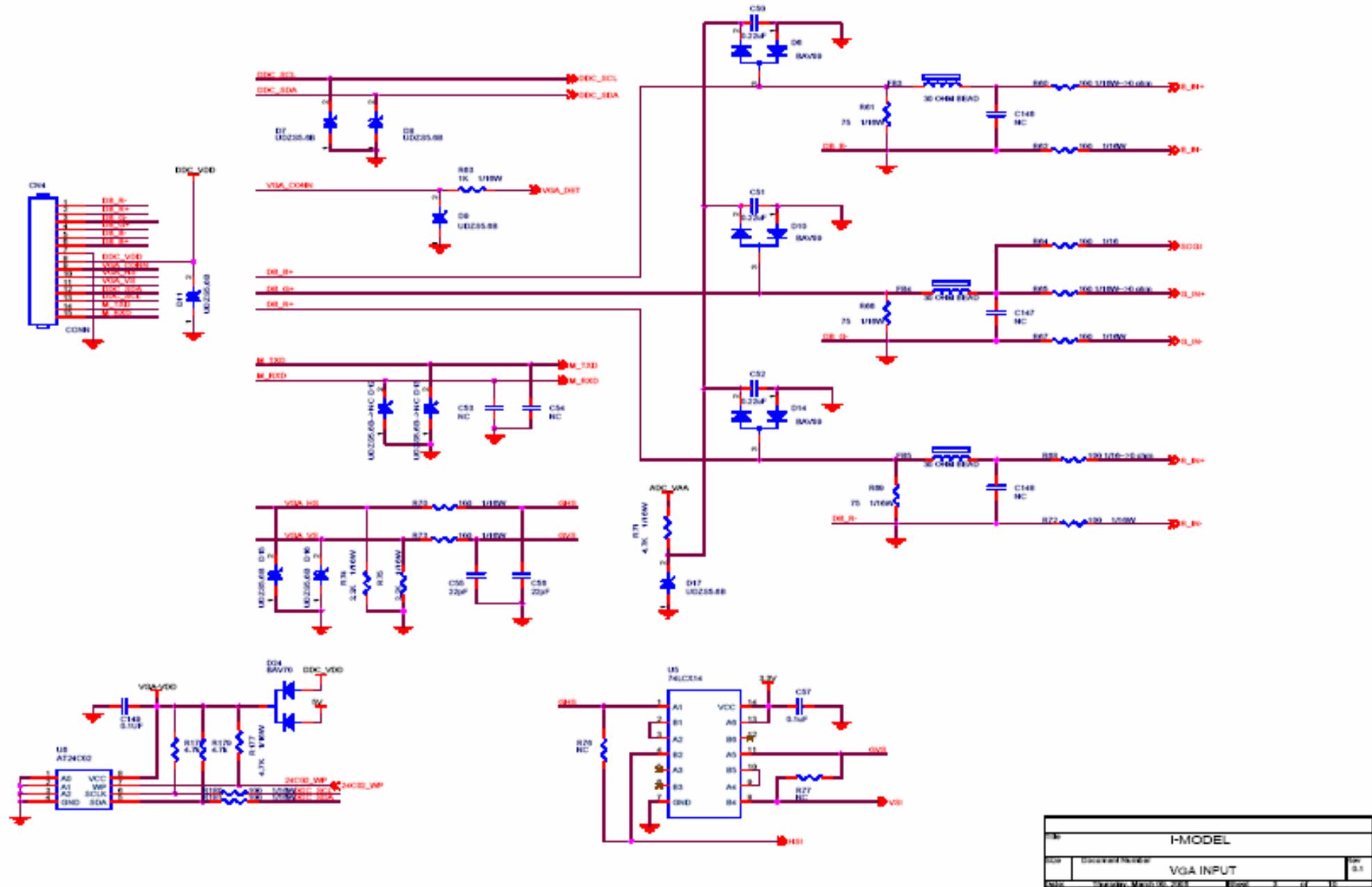
AOC Sam request Audio control method

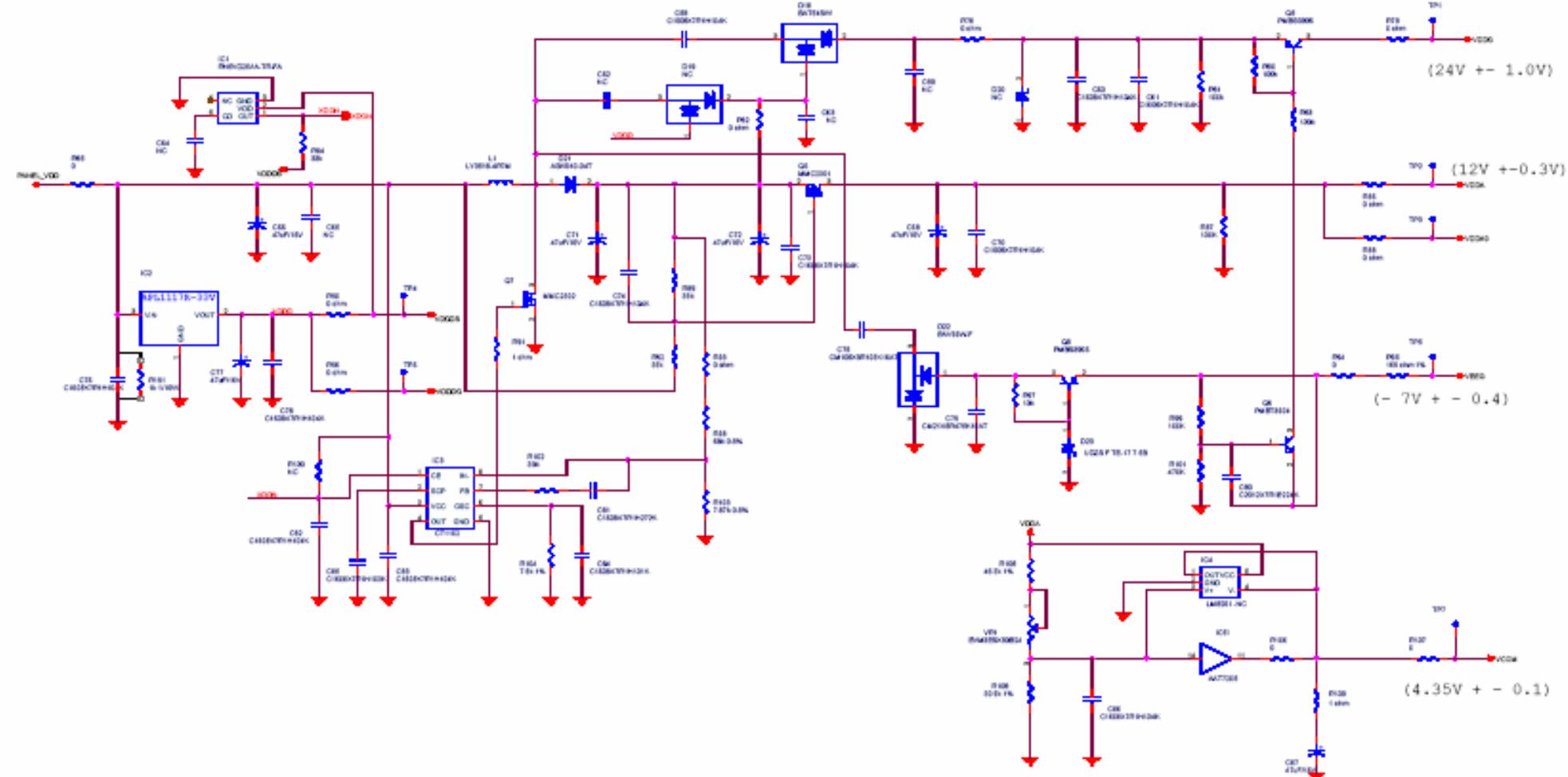
Add beads among ground wires for EMI Klausze 060307



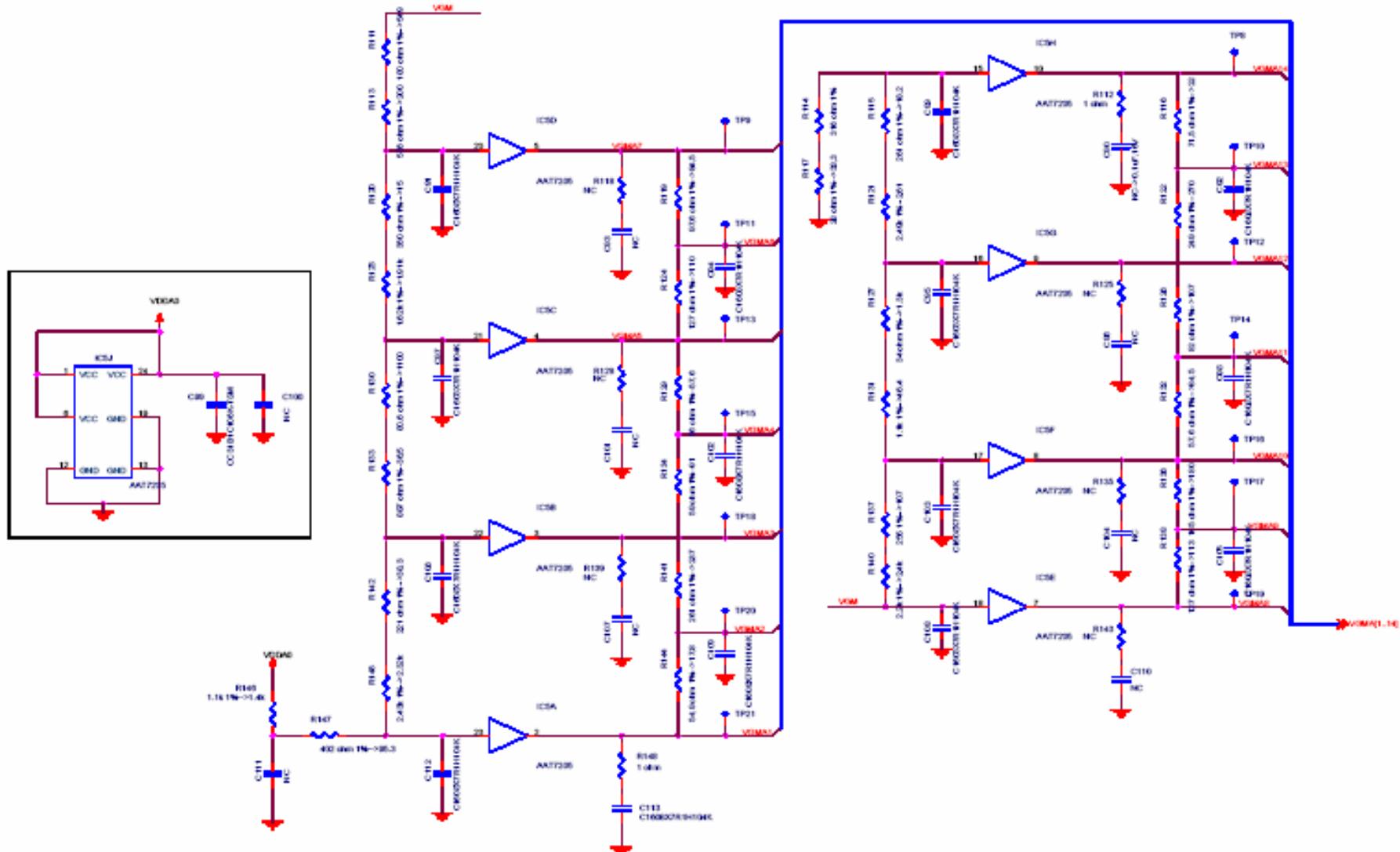
R58, R51, R174, C49 changed for power sequence Klausze 060109

| I-MODEL | | |
|---------|------------------------|--------------|
| Rev | Document Number | Page |
| 0.1 | Document Model 03-2002 | Page 1 of 10 |

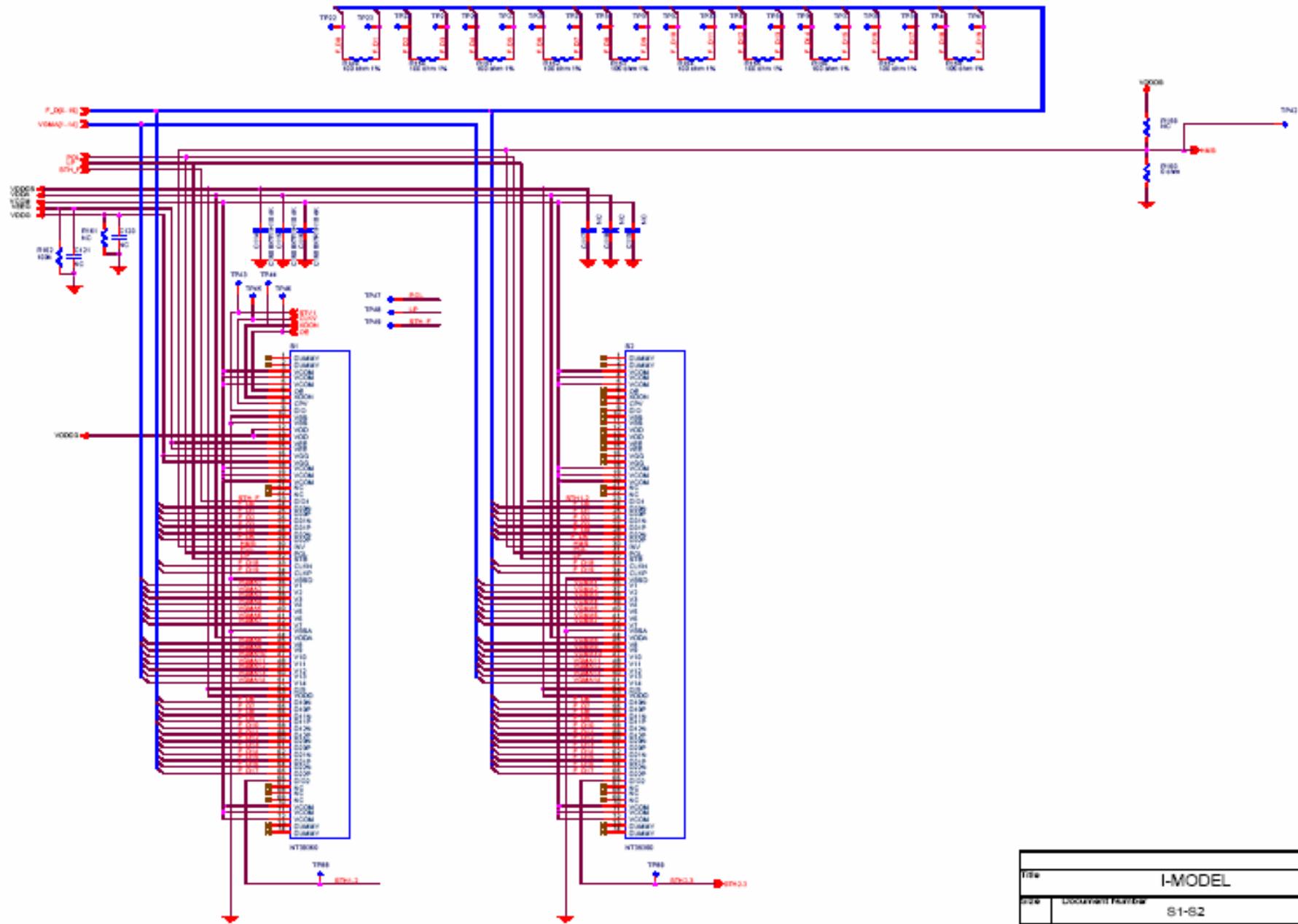




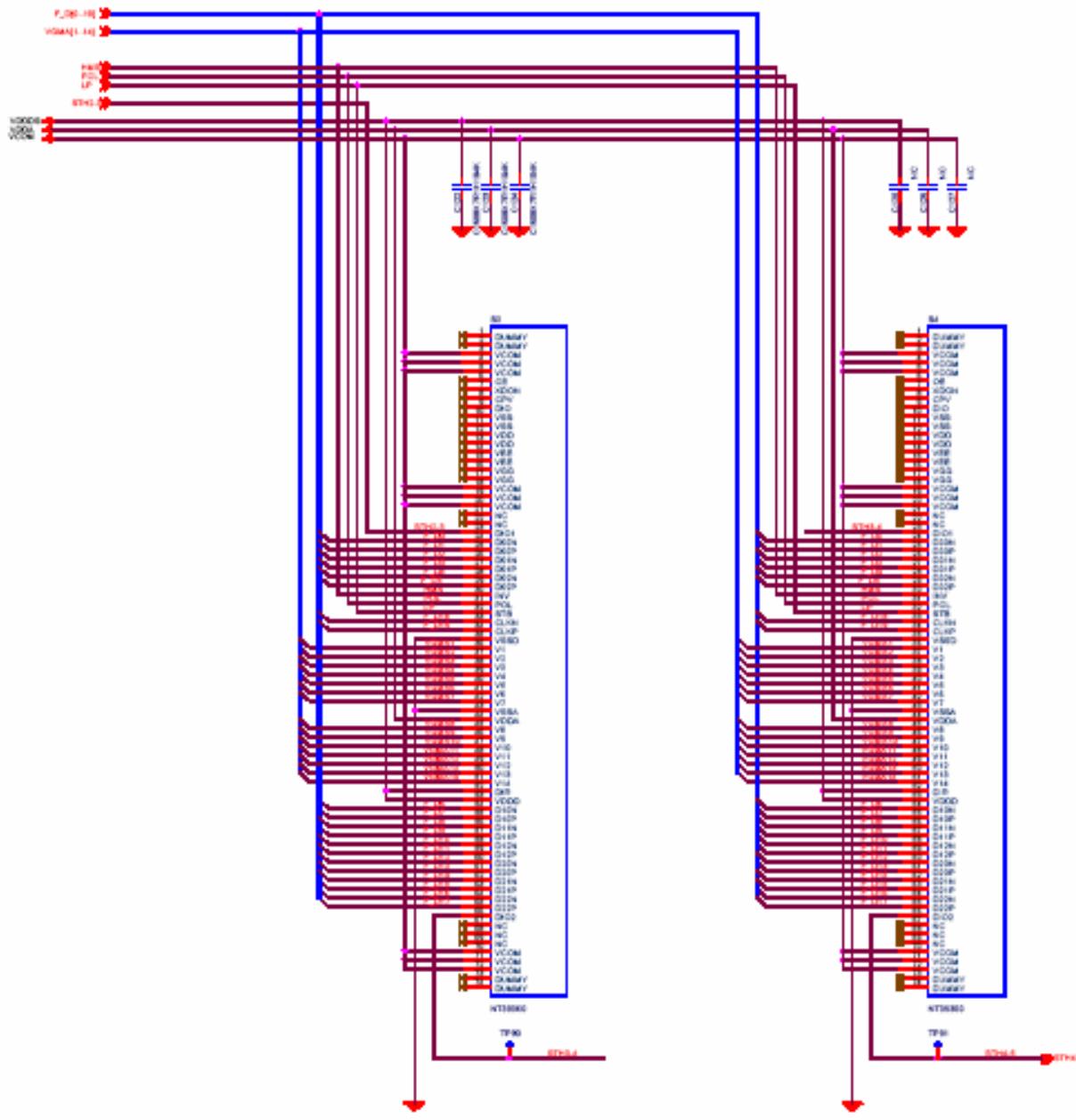
I-MODEL



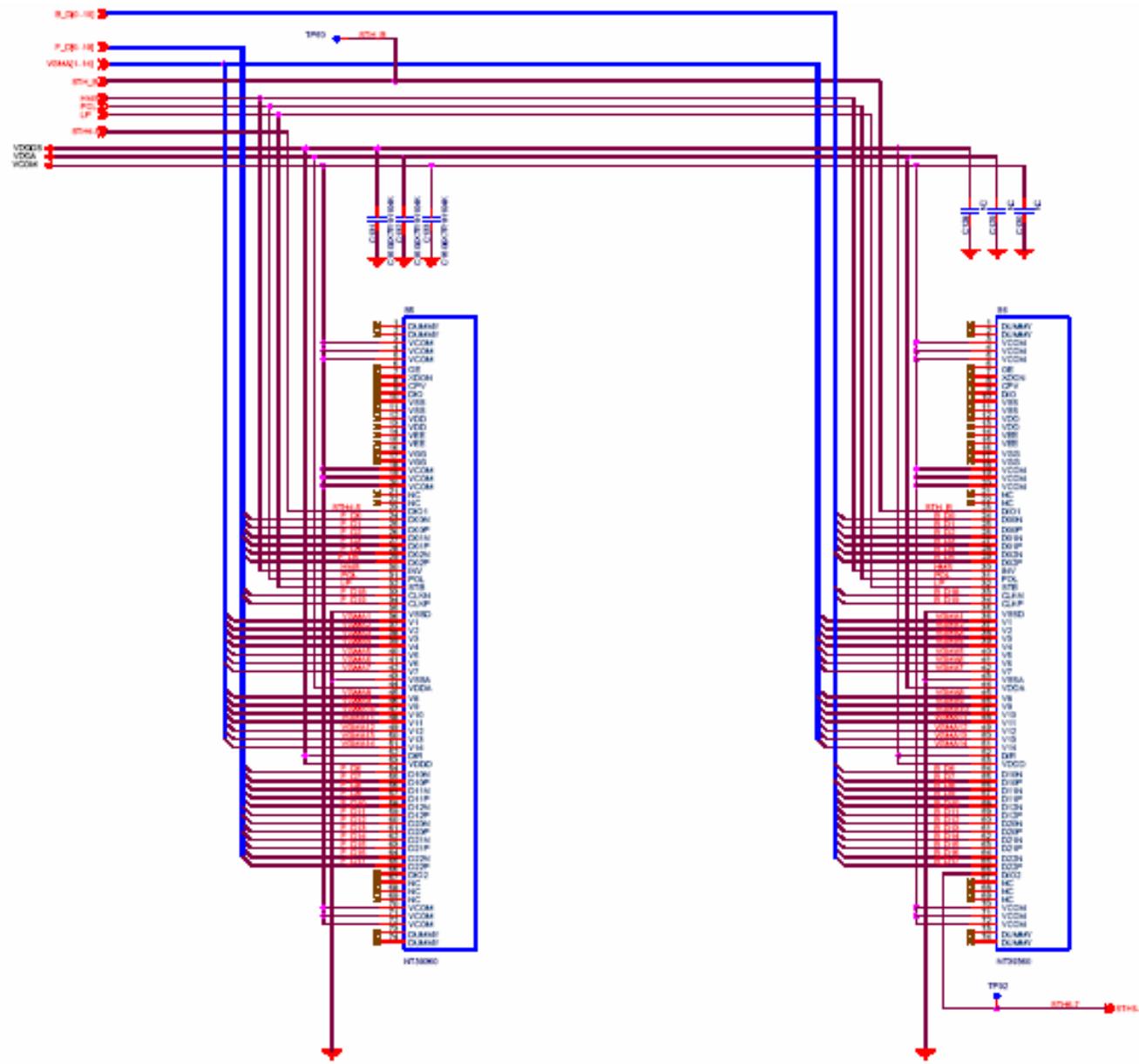
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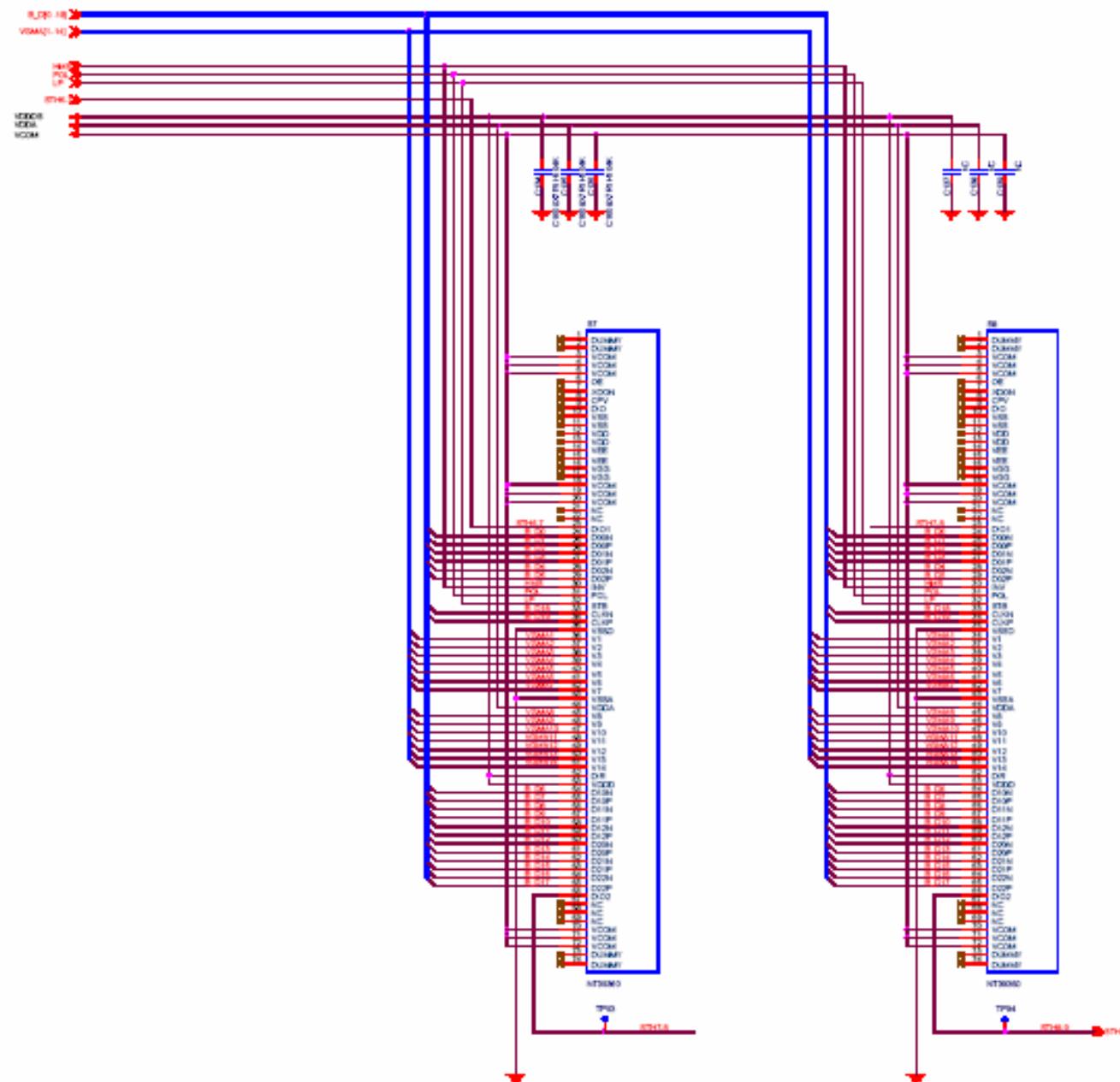
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| Date | January, Month 01, 2008 | Page | 0 of 50 |



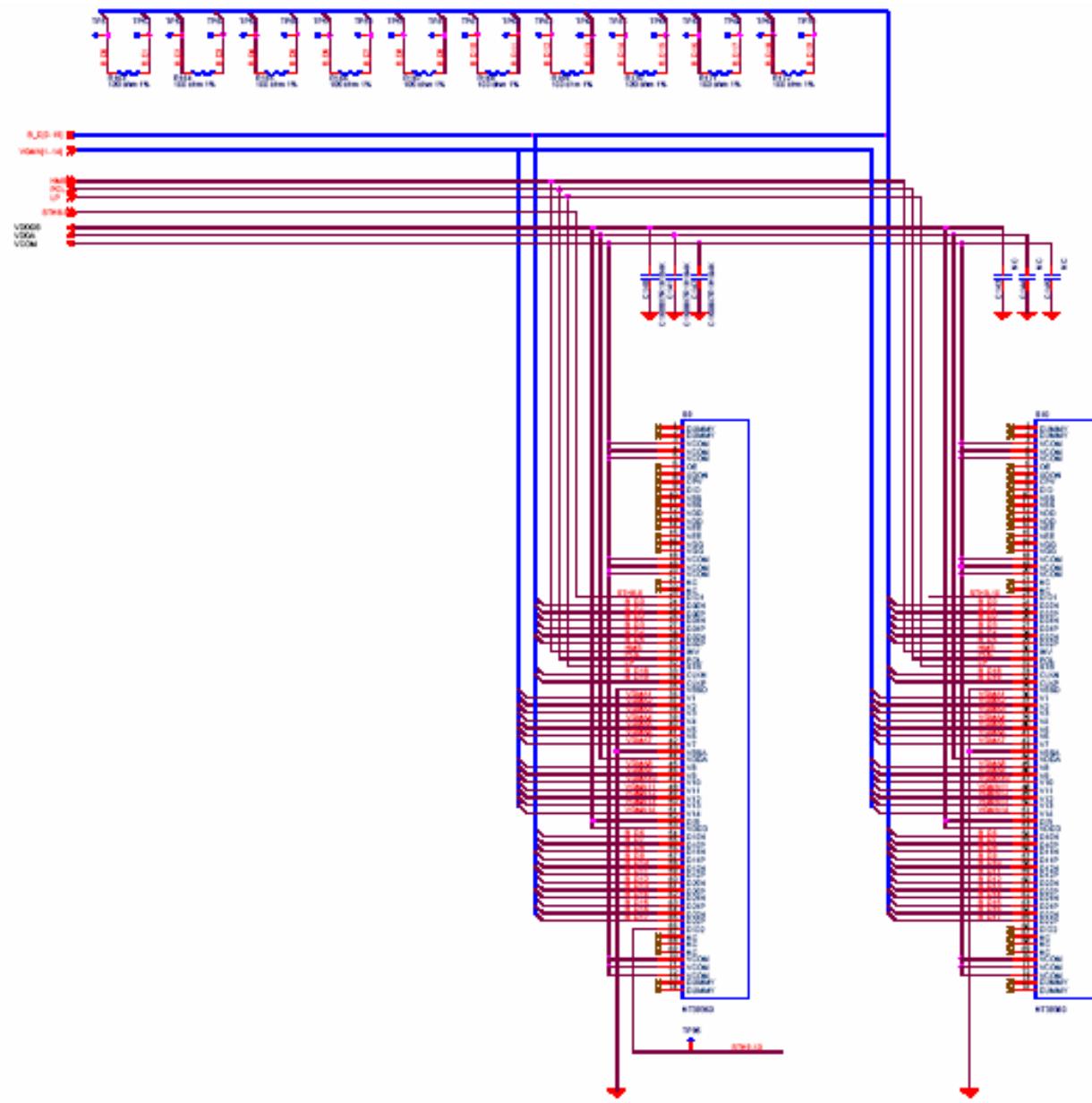
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Site: Document Number: S3-S4 Rev: 0.1
Date: Thursday, March 06, 2008 Sheet: 7 of 10



I-MODEL

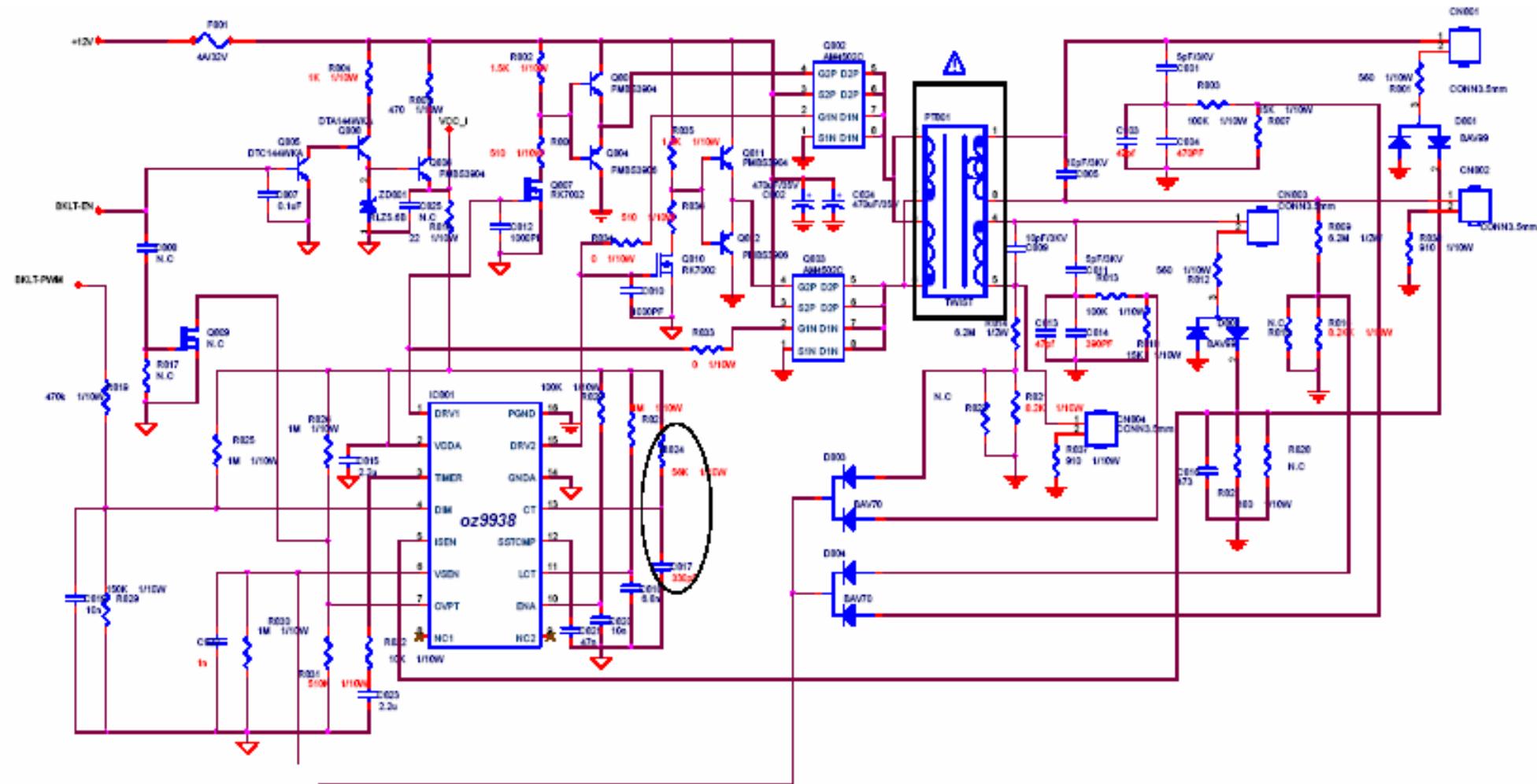


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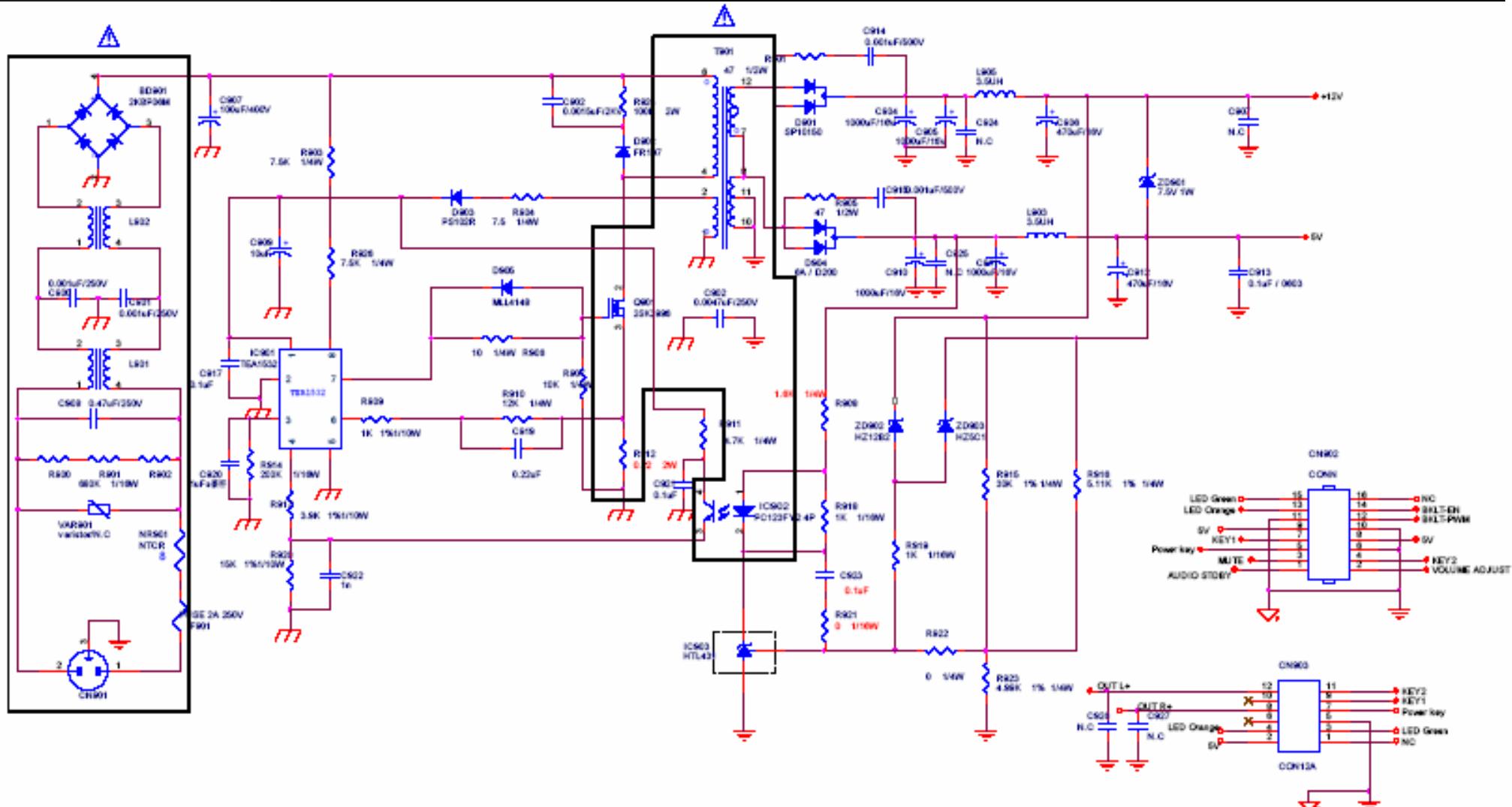


I-MODEL

7.2 Inverter/ Power Board



158
CD9690 Half Bridge for 4 DCFLs Application
Title: Document Number: Rev: 0.0 D
Date: Tuesday, April 15, 2003 Page: 1 of 1

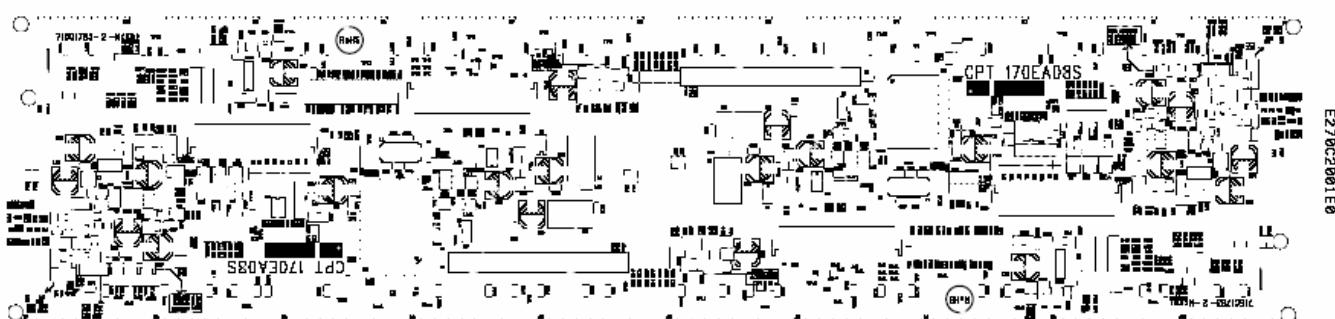
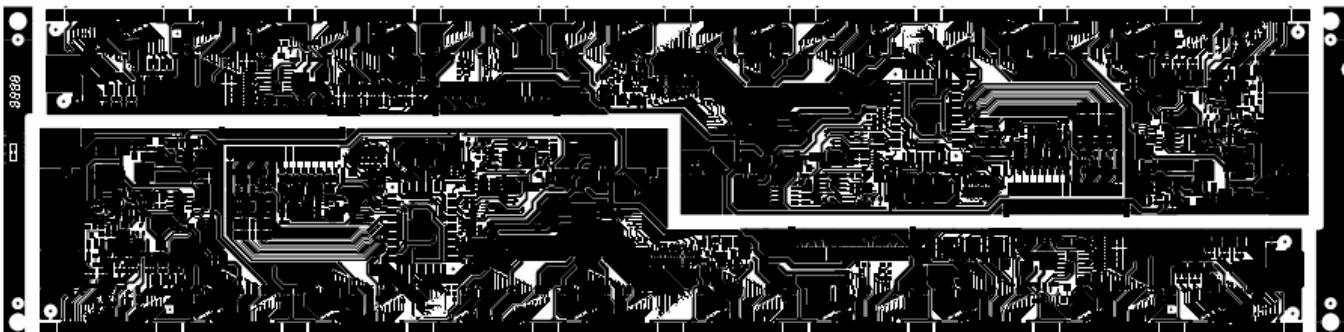
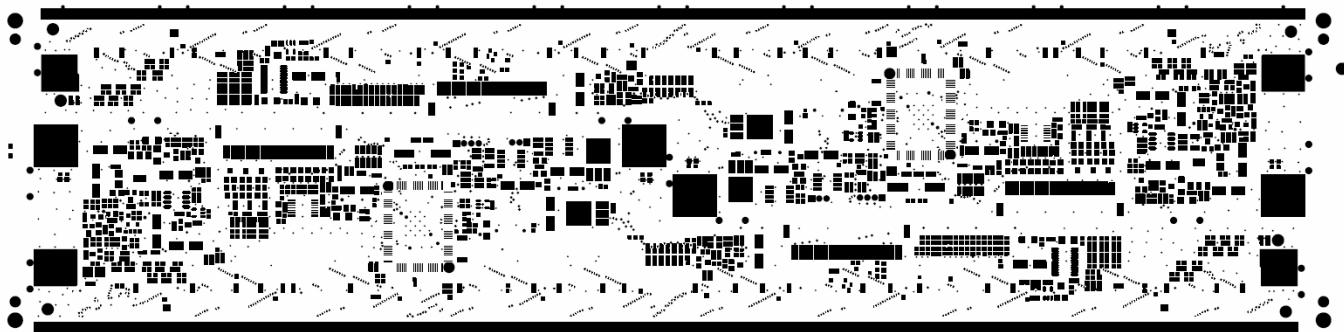


| INTERNAL POWER FOR PWPC17 | |
|---------------------------|--------------------------|
| Part No. | Document Number |
| 2800 | Connect pitch 5.0 2800/2 |

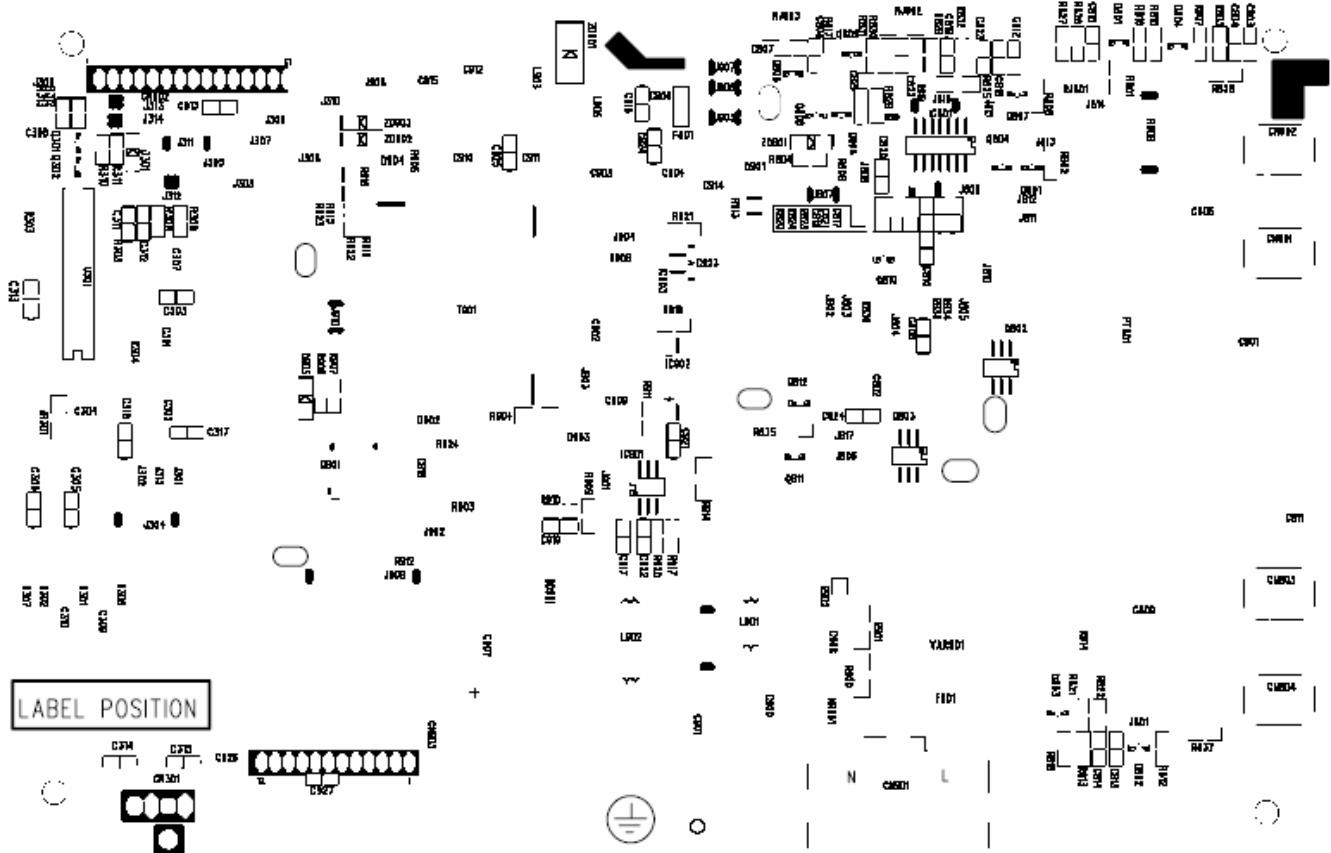
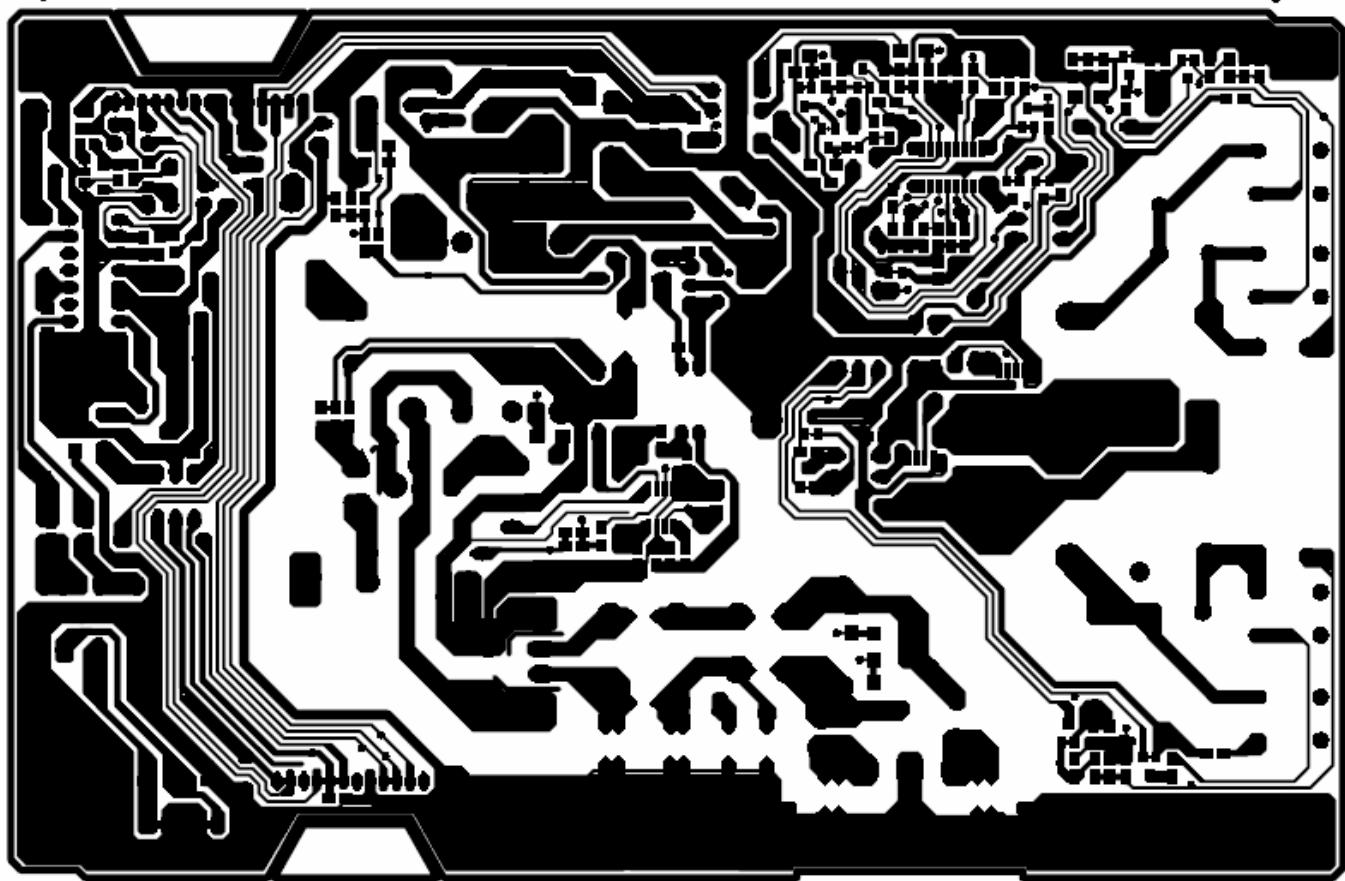
Friday, Aug 10, 2001

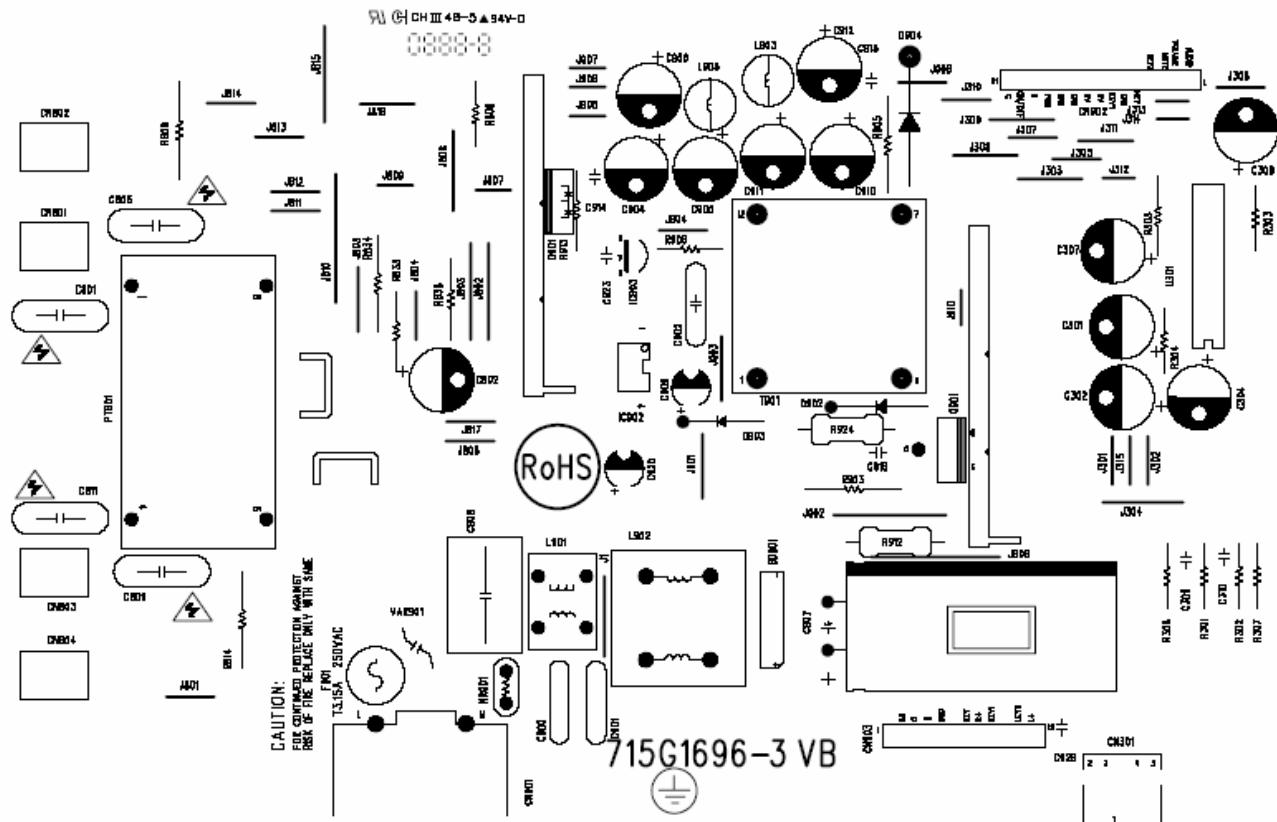
8. PCB Layout

8.1 Main Board

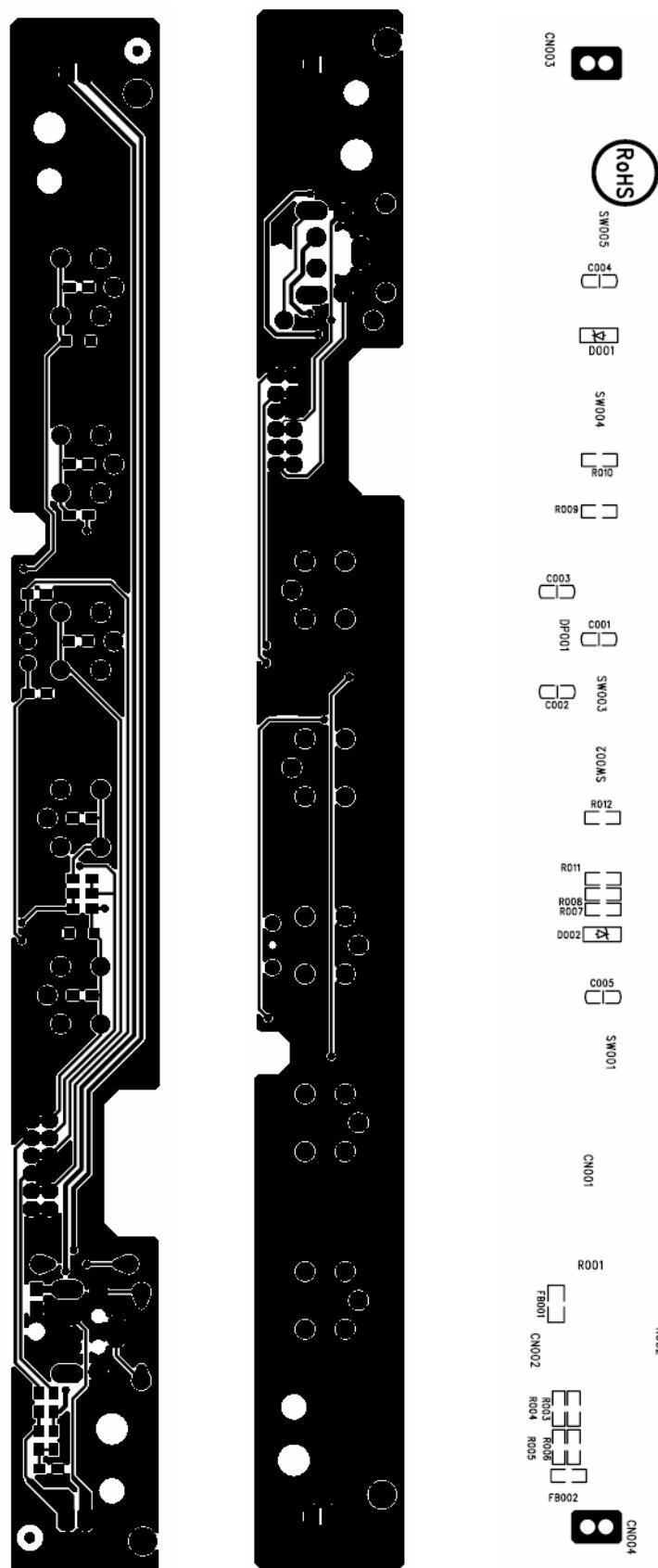


8.2 Power Board





8.3 Key Board



9. Maintainability

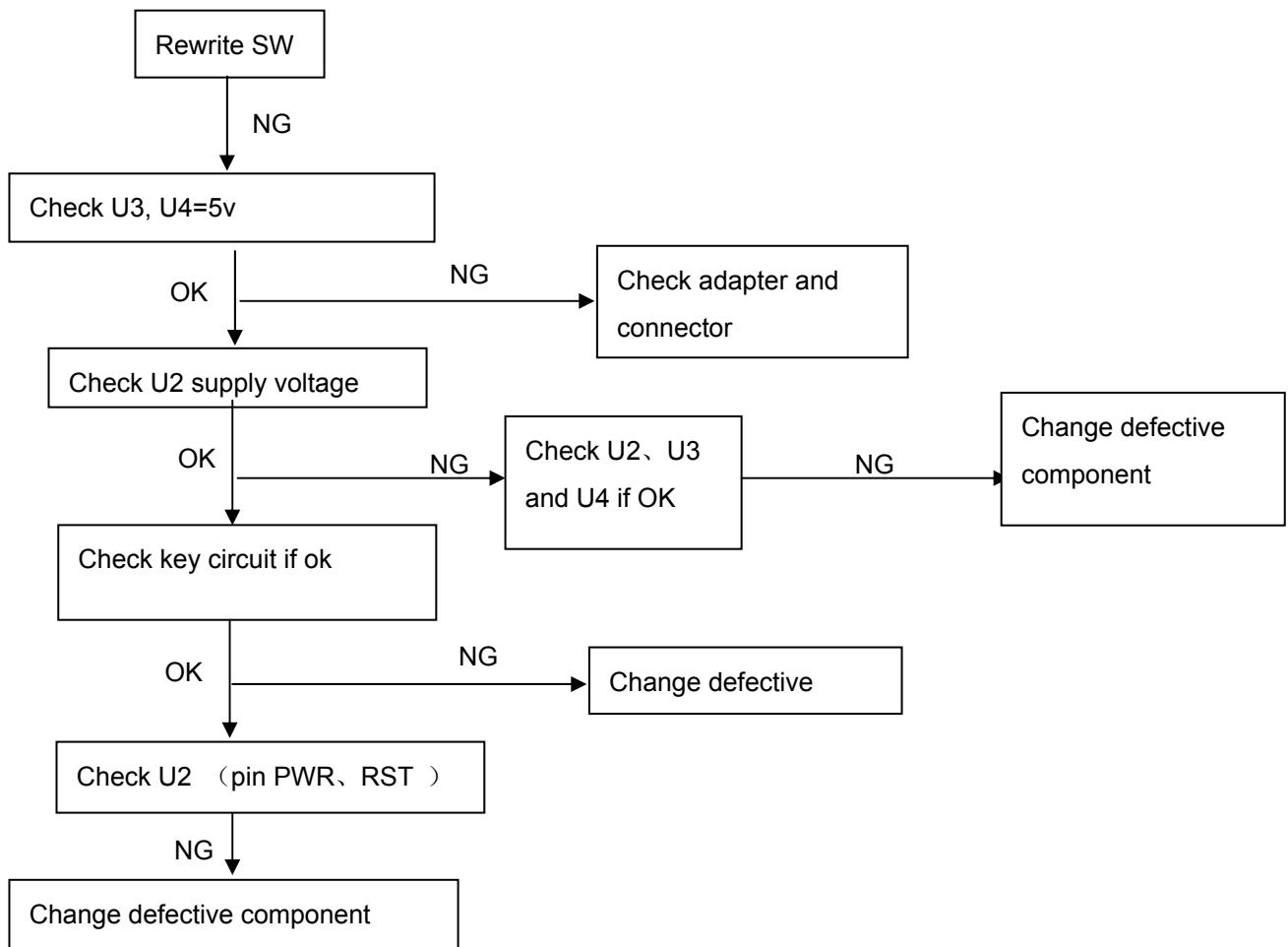
9.1 Equipment and Tools Requirement

1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

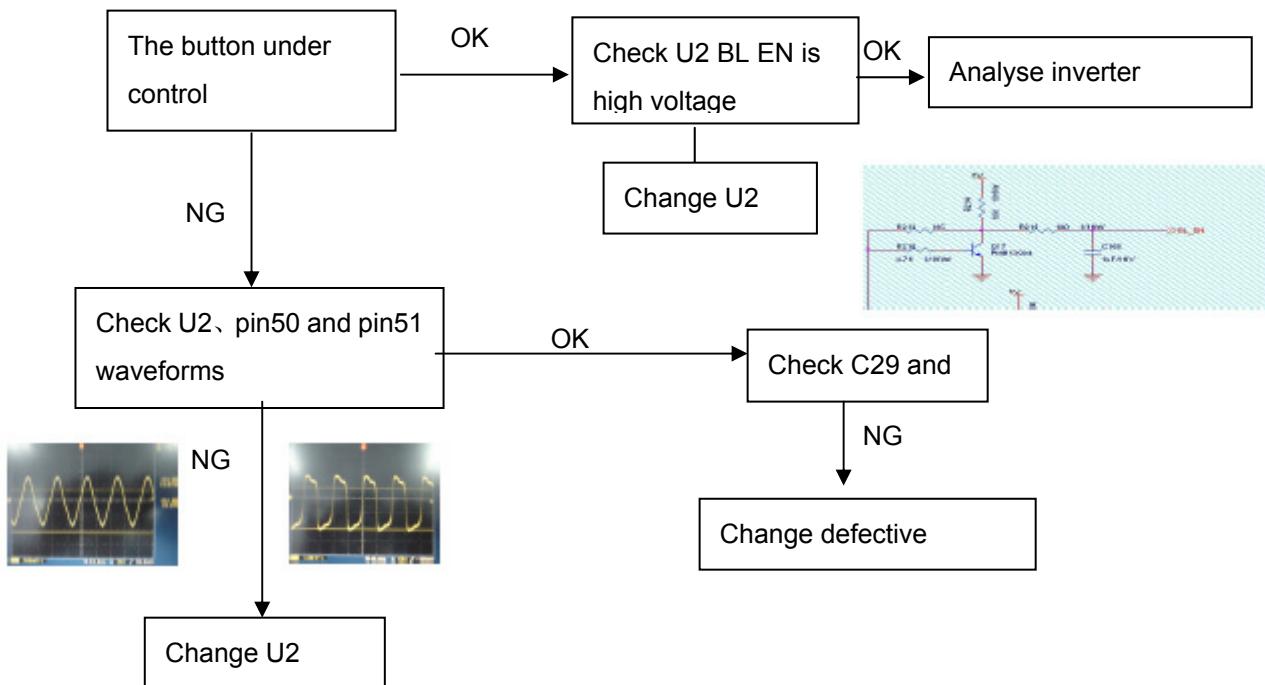
9.2 Trouble Shooting

9.2.1 Main Board

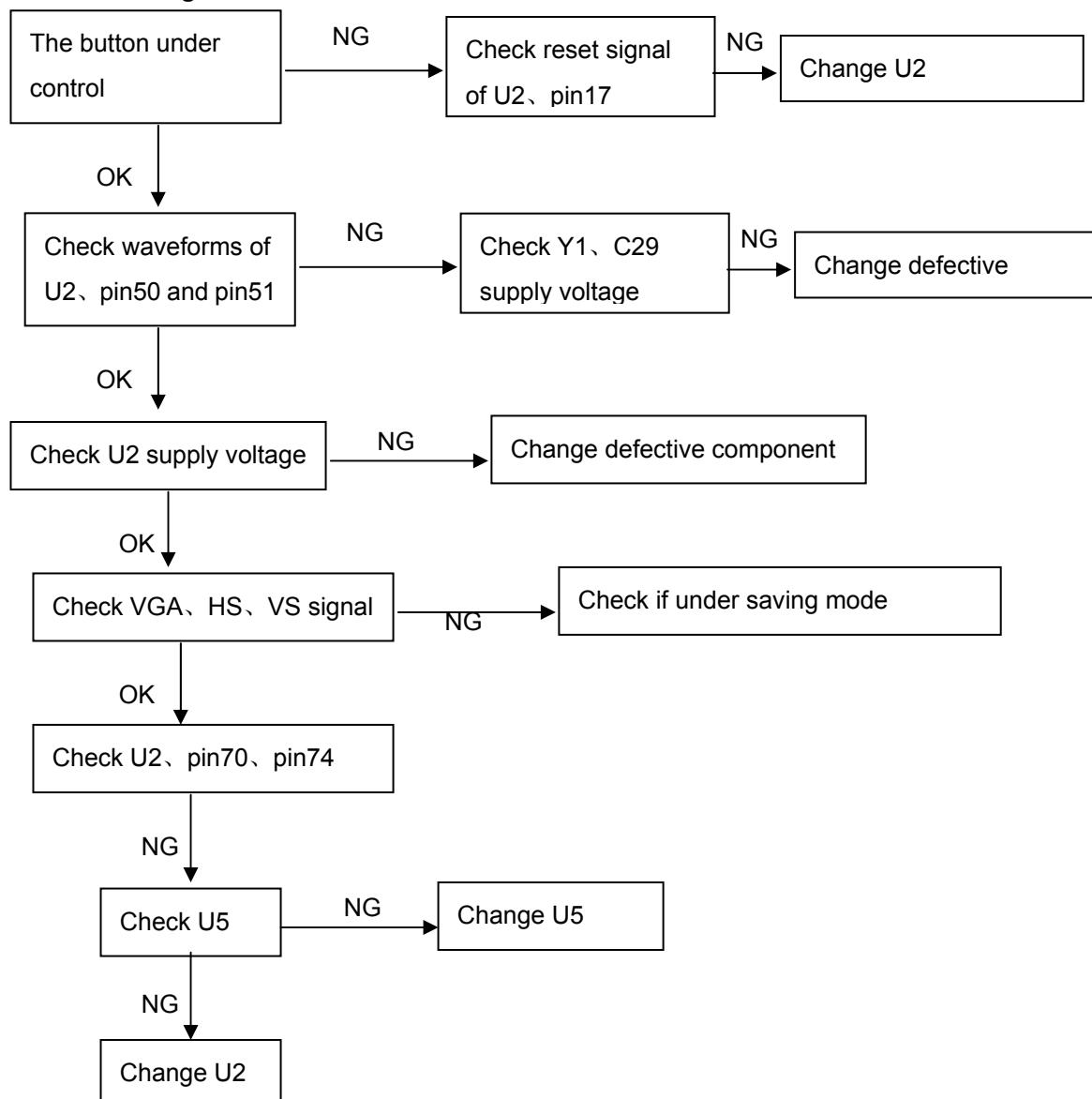
No Power (No LED indicator)



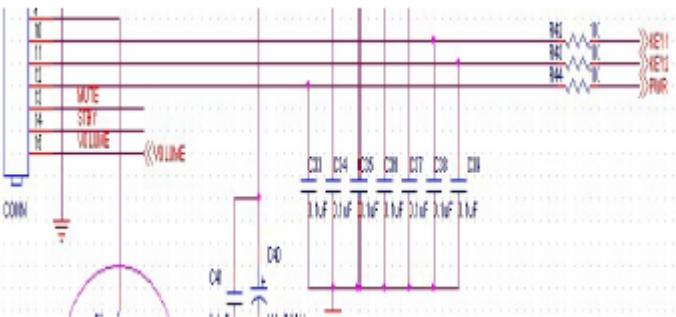
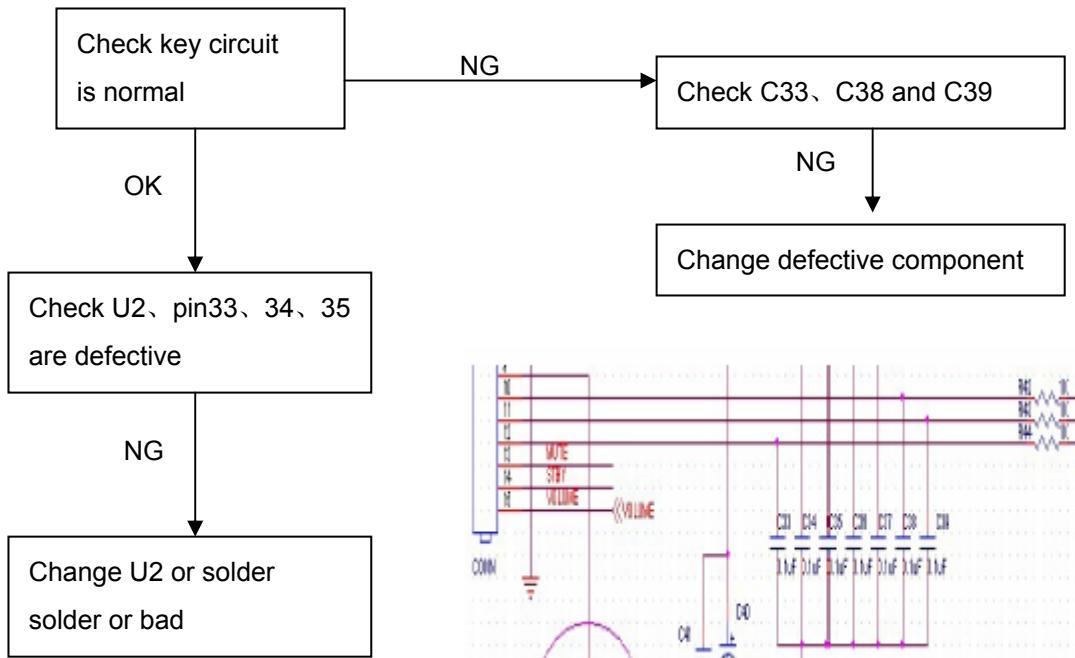
No Picture (LED green)



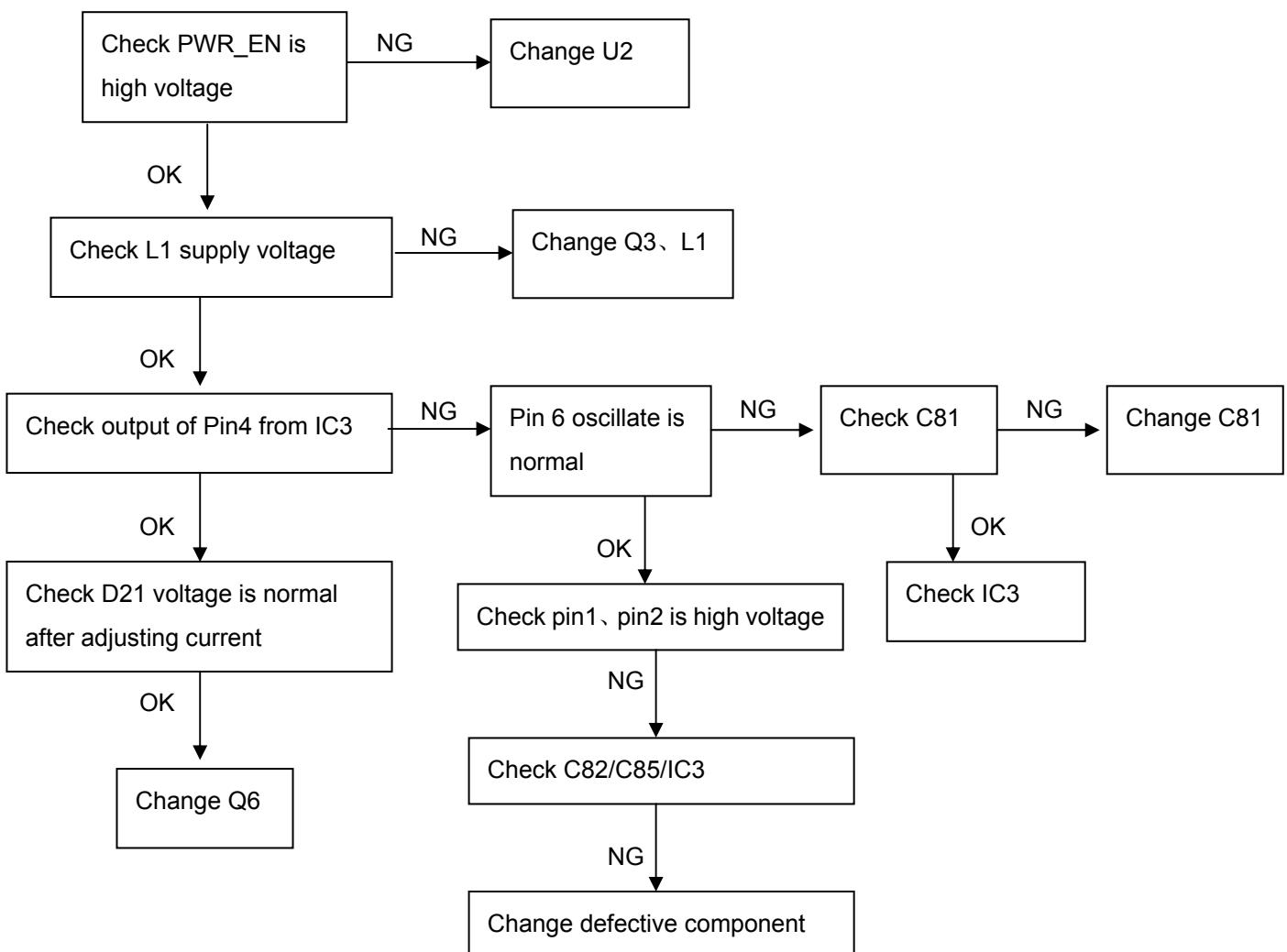
No picture (LED orange)



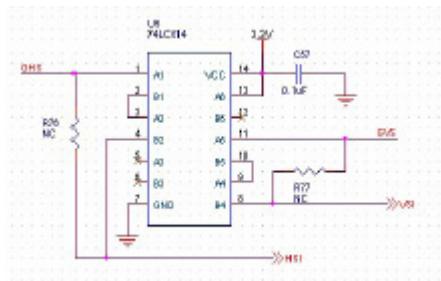
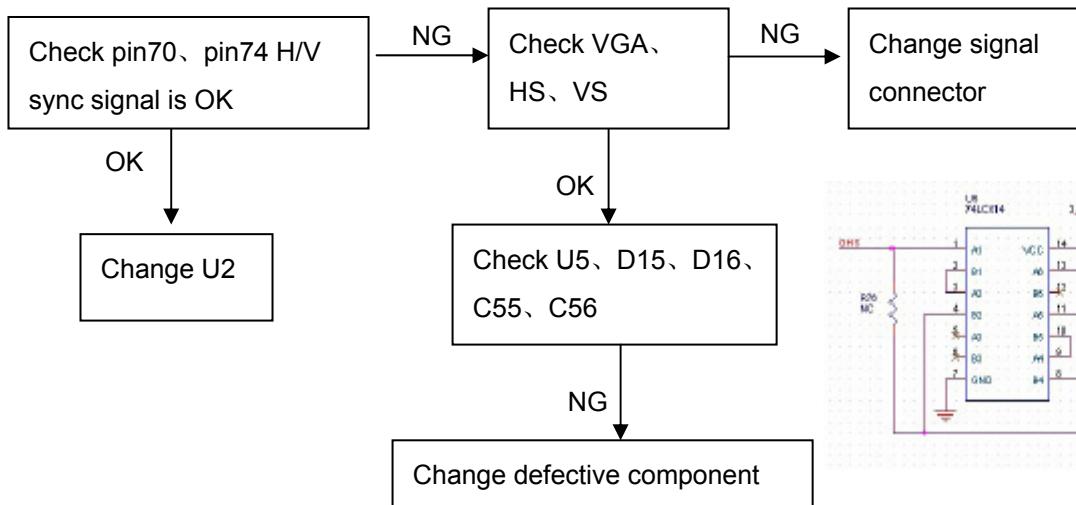
No Use Of Pressing Key button



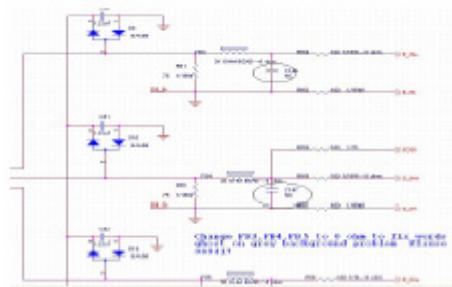
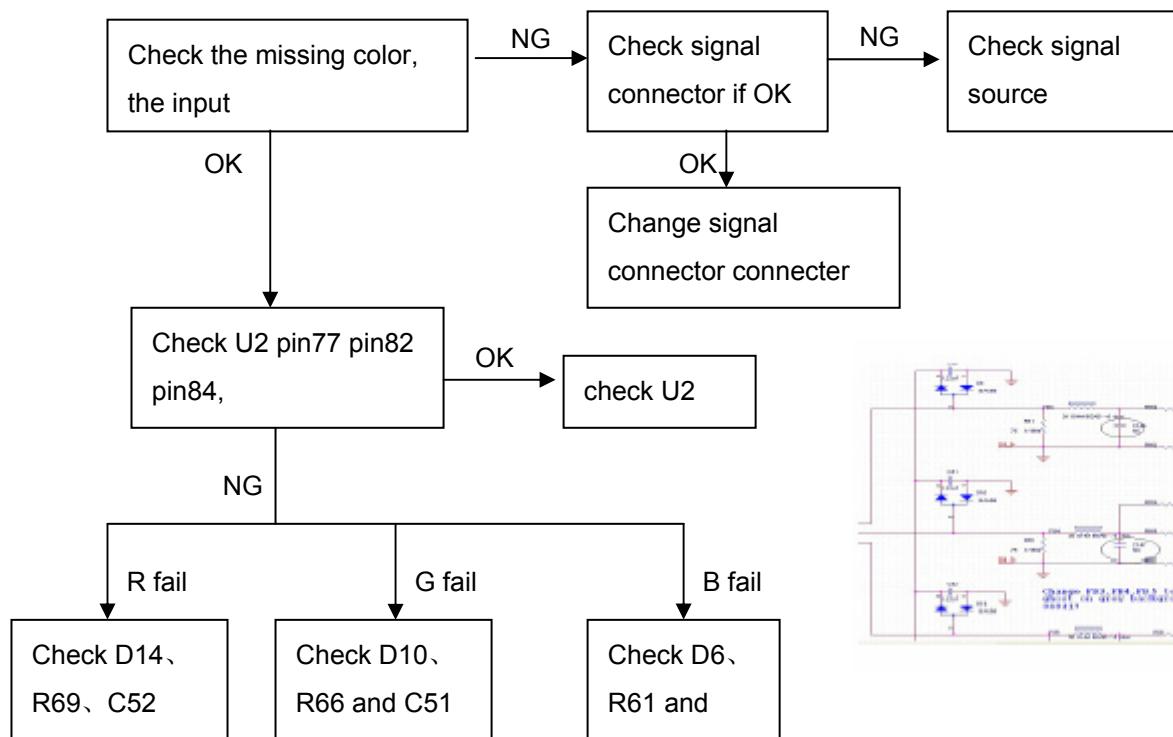
White Screen



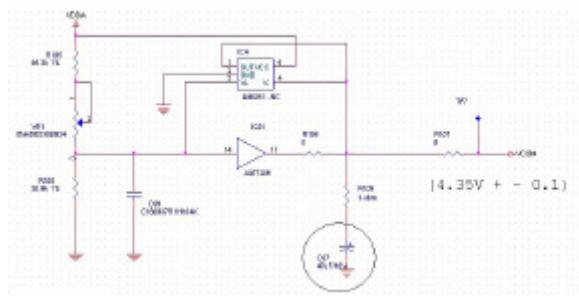
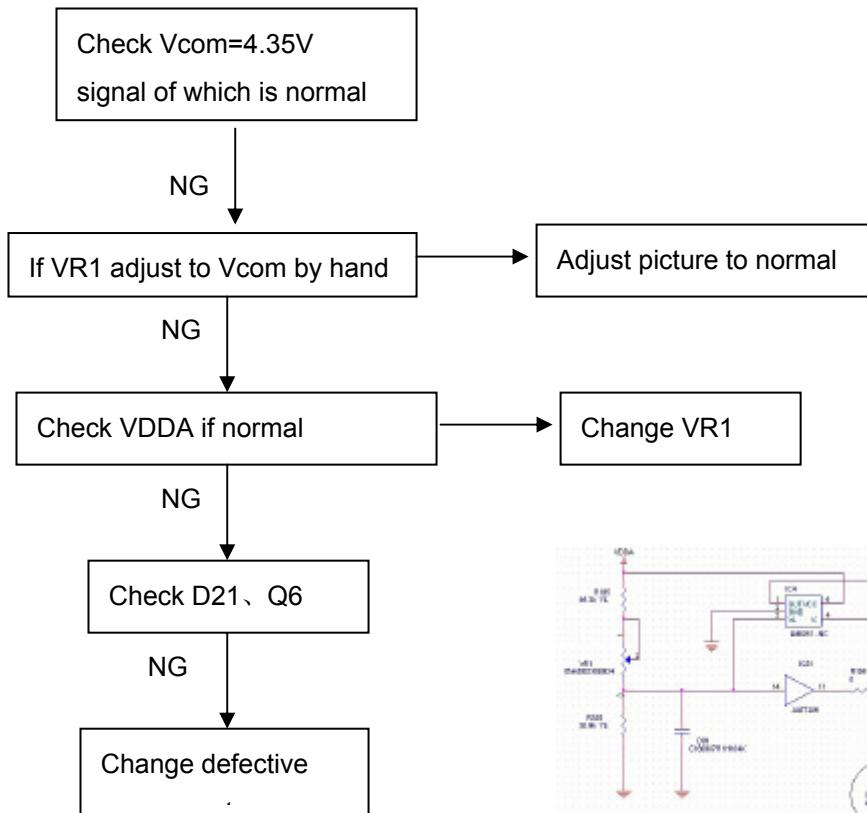
OSD is normal when on signal, no picture when connect signal (black screen)



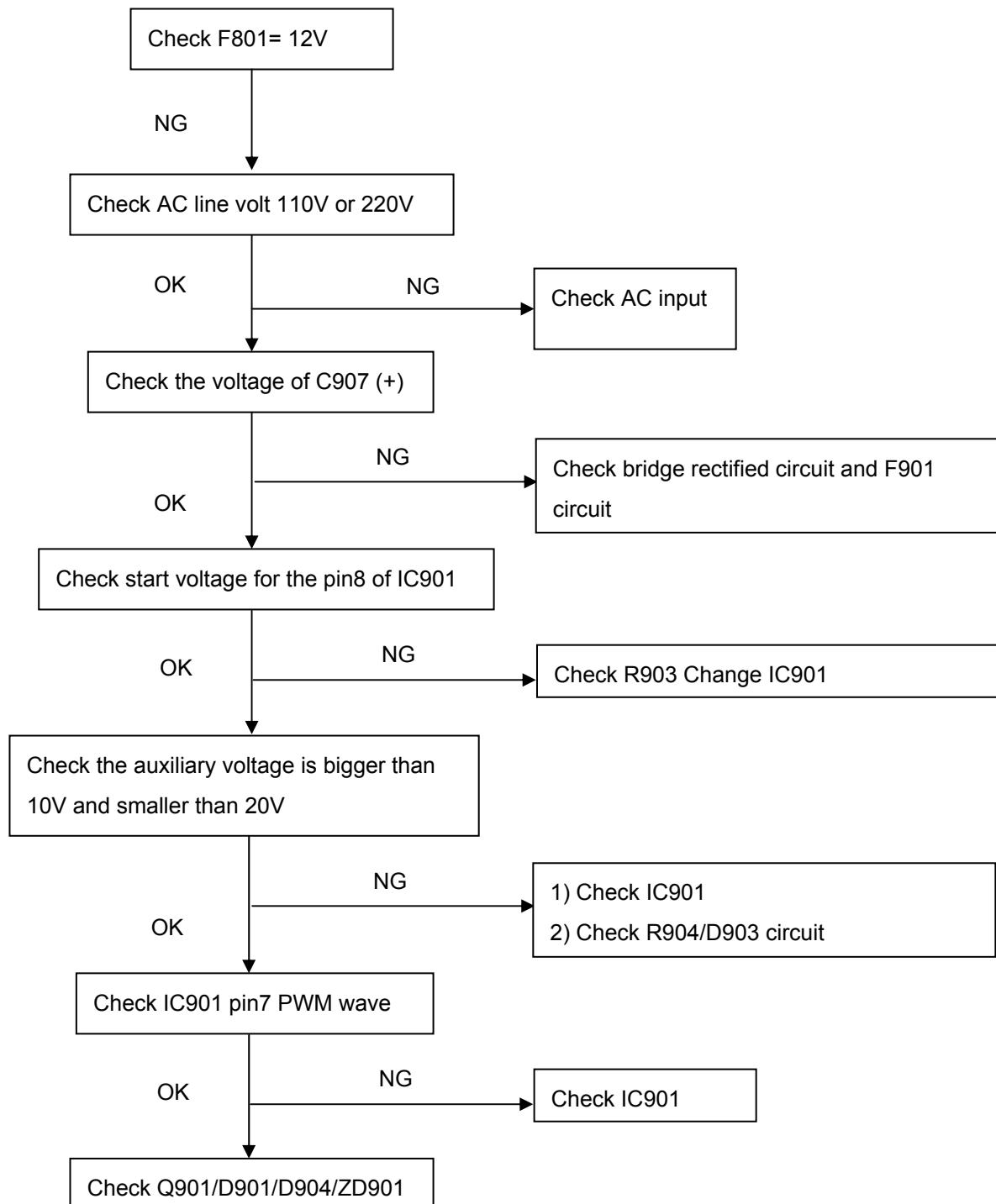
Miss color



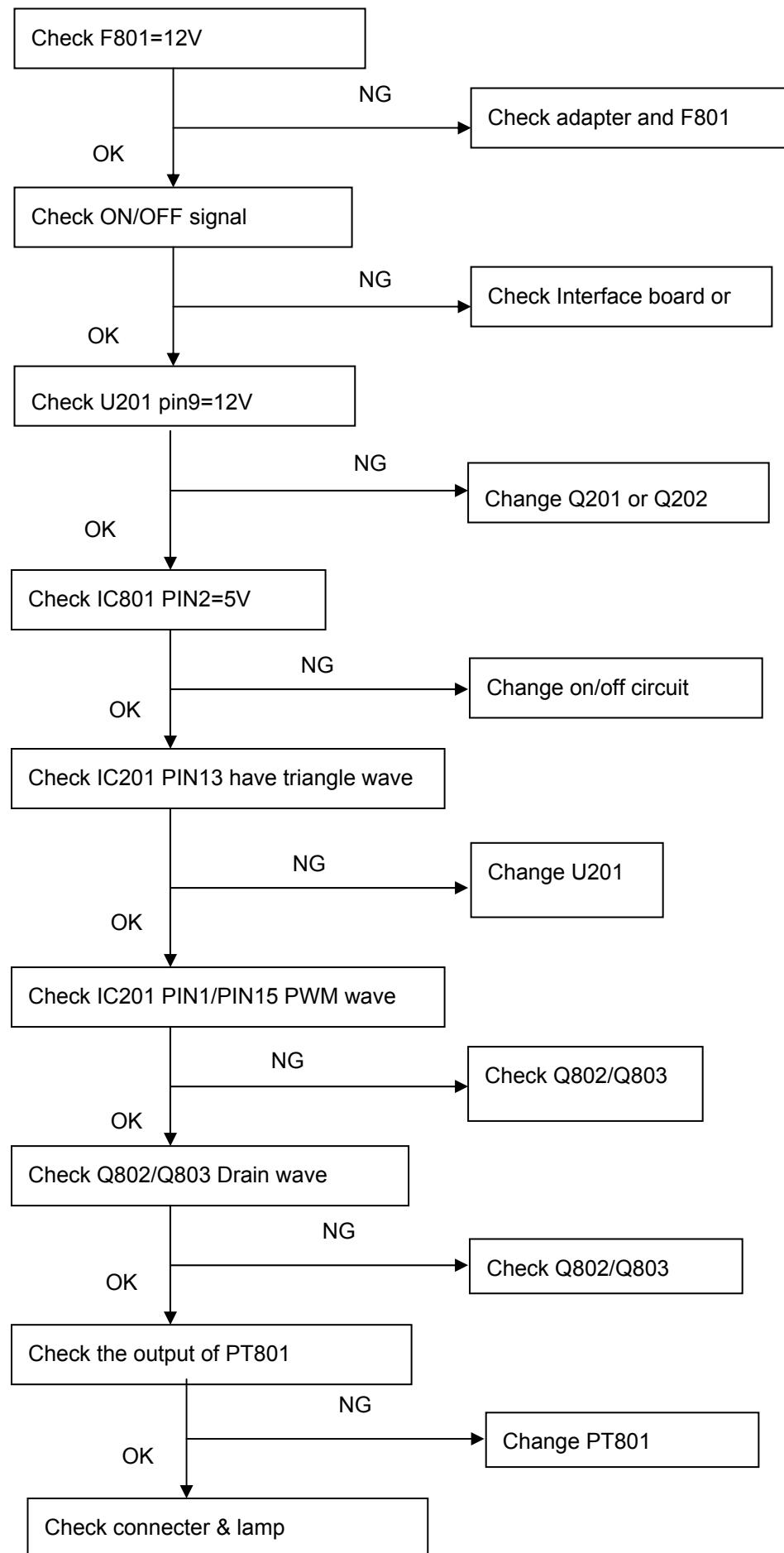
Picture shake



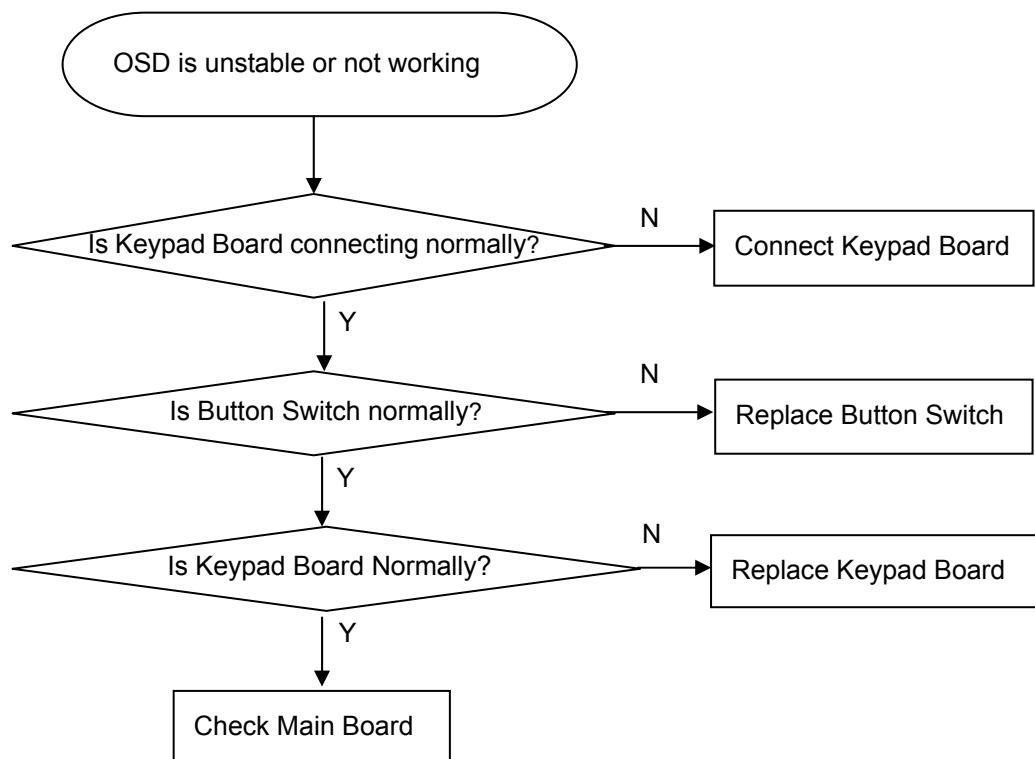
9.2.2 Power Board



2.) No Backlight



9.2.3 Key Board



10. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. How to do the Chroma-7120 MEM. Channel setting

- A. Reference to chroma 7120 user guide
- B. Use “**SC**” key and “**NEXT**” key to modify x, y, Y value and use “**ID**” key to modify the TEXT description Following is the procedure to do white-balance adjust

2. Setting the color temp. you want

A. MEM.CHANNEL 3 (7800 color):

7800 color temp. parameter is $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$.

B. MEM.CHANNEL 4 (6500 color):

6500 color temp. parameter is $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$

3. Into factory mode of 712Si

Turn on power, press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast**  to 50; Adjust the **Brightness**  to 90.

5. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust C2 (7800) color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance = 100 ± 5

B. Adjust C1 (6500) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance = 100 ± 5

C. Turn the Power-button off to quit from factory mode.

11. BOM List

T77CNNNKHAA1FIE

| Location | Part No. | Description |
|----------|-------------------|-------------------------|
| | KEPC7HA4 | KEY BOARD |
| | PWPC1741CE2P | POWER BOARD |
| | 15G8266 1 | AC BKT |
| | 26G 800504 7 | BARCODE |
| | 40G 58162435A | MANUAL LABEL |
| | 41G780061532C | SA CENTER LIST |
| | 50G 600 2 | HANDLE1 |
| | 50G 600 3 | HANDLE2 |
| | 52G 1185 | MIDDLE TAPE |
| | 52G 1186 | SMALL TAPE |
| | 52G6020 11 | PROTECT FILM |
| | 85G 721 1 | SHIELD |
| E089A | 89G 745HAA 1 | SIGNAL CABLE HONGLIN |
| | 89G402A15N IS | POWER CORD |
| | M1G 330 4128 CR3 | SCREW M3X4 |
| | M1G 330 6 47 CR3 | SCREW 3X6mm |
| | M1G 340 6 47 CR3 | SCREW |
| | M1G 340 8225 CR3 | SCREW 4*8mm |
| | M1G1130 6128 CR3 | SCREW |
| | M1G1140 6128 CR3 | SCREW |
| | M1G1730 6128 CR3 | SCREW M3x6 |
| | Q1G 330 8128 CR3 | SCREW 3X8mm |
| | 705GH734008 | ASS'Y |
| | 750GLV70M8Q61V | PANEL CLAA170EA08QI 000 |
| | A15G0028 1 | VESA BKT |
| | A33G0030 GM 1L 32 | CABLE COVER |
| | A33G0060 1 | POWER LENS |
| | A33G0067 Q1 L | KEY PAD |
| | A34G0095 Q1Z9B 30 | BEZEL |
| | A34G0096 GMZAB | REAR COVER |
| | H40G 17N61537A | ID LABEL |
| | H41G170061533B | MANUAL |
| | H44G700761530A | CARTON |
| | H45G 87 1 2H R | PE BAG FOR MONITOR |
| | H45G 87 4 H R | PE BAG FOR BASE |
| | H45G 87 4 H R | PE BAG FOR BASE |
| | H52G6025 16006 | INSULATE SHEET |

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|-------|-----------------|-------------------------|
| | J44G7007 1 | EPS |
| | J44G7007 2 | EPS |
| | Q15G0022 2 | HINGE BRACKET |
| | Q45G 88606 14 R | PE BAG |
| CN001 | 33G8027 12 H | PIN HEADER 2*6 R/A |
| SW001 | 77G 600 1GCJ | TACT SWITCH TSPB-2 |
| SW002 | 77G 600 1GCJ | TACT SWITCH TSPB-2 |
| SW003 | 77G 600 1GCJ | TACT SWITCH TSPB-2 |
| SW004 | 77G 600 1GCJ | TACT SWITCH TSPB-2 |
| SW005 | 77G 600 1GCJ | TACT SWITCH TSPB-2 |
| DP001 | 81G 12 2 GP | LED |
| R009 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R011 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| C002 | 65G0603104 12 | 0.1UF +-10% 16V X7R |
| C003 | 65G0603104 12 | 0.1UF +-10% 16V X7R |
| C004 | 65G0603104 12 | 0.1UF +-10% 16V X7R |
| C005 | 65G0603104 12 | 0.1UF +-10% 16V X7R |
| C001 | 65G0603105 12 | CHIP 1UF 16VX7R 0603 |
| D001 | 93G 39S 34 T | UDZS5.6B |
| D002 | 93G 39S 34 T | UDZS5.6B |
| | 715G2253 1 2 | KEY BOARD PCB |
| L901 | S73L17450VH | LINE FILTER |
| CN801 | 33G8021 2E U | WAFER |
| CN802 | 33G8021 2E U | WAFER |
| CN803 | 33G8021 2E U | WAFER |
| CN804 | 33G8021 2E U | WAFER |
| | 40G 45762420A | ID LABEL |
| IC902 | 56G 139 3A | PC123Y22FZOF |
| NR901 | 61G 58080 WT | RST NTCR 8 OHM |
| R924 | 61G152M10464L | RST MOFR 100KOHM +-5% 2 |
| R912 | 61G152M278 64 | RST MOFR 0.27 OHM +-5% |
| C908 | 63G 10747410V | CAP X2 0.47UF M 275VAC |
| C805 | 65G 3J1006ET H | TDK 10PF +-5% 3KV |
| C809 | 65G 3J1006ET H | TDK 10PF +-5% 3KV |
| C801 | 65G 3J5096ET H | 5PF 5% 3KV TDK |
| C811 | 65G 3J5096ET H | 5PF 5% 3KV TDK |
| C900 | 65G305M1022BP | Y2 1000PF M 250VAC Y5P |
| C901 | 65G305M1022BP | Y2 1000PF M 250VAC Y5P |
| C902 | 65G306M4722BP | 4700PF +-20% 400VAC |
| C904 | 67G215S1023KV | ELCAP 1000UF +-20% 16V |

| | | |
|-------|----------------|-------------------------|
| C905 | 67G215S1023KV | ELCAP 1000UF +-20% 16V |
| C910 | 67G215S1023KV | ELCAP 1000UF +-20% 16V |
| C911 | 67G215S1023KV | ELCAP 1000UF +-20% 16V |
| C802 | 67G215S4713KV | ELCAP 470UF +-20% 16V 1 |
| C906 | 67G215S4713KV | ELCAP 470UF +-20% 16V 1 |
| C912 | 67G215S4713KV | ELCAP 470UF +-20% 16V 1 |
| C907 | 67G215Z12115K | ELCAP 120UF +-20% 450V |
| L902 | 73G 174 65 H | LINE FILTER |
| L905 | 73G 253 91 H | CHOKE COIL |
| L903 | 73G 253 91 LS | CHOKE BY LI SHIN |
| PT801 | 80GL17T 34 DN | XFMR BY DARFON |
| T901 | 80GL17T 35 DN | XFMR FOR POWER DARFON |
| CN901 | 87G 501 32 S | AC SOCKET |
| CN902 | 95G8014 15506 | WIRE HARNESS |
| CN903 | 95G801412X607 | WIRE HARNESS |
| | Q51G 6 4508 | RTV |
| BD901 | 93G 50460509 | 2KBP06M 2A 600V |
| D904 | 93G3010 1 | 31DQ10FC |
| | 705G 780 57 54 | Q901 ASS'Y |
| | 705G 780 93 16 | D901 ASS'Y |
| IC901 | 56G 564911 | IC TEA1532AT S08 |
| IC801 | 56G 608 10 | OZ9938GN |
| Q801 | 57G 417 4 | PMBS3904/PHILIPS-SMT(04 |
| Q806 | 57G 417 4 | PMBS3904/PHILIPS-SMT(04 |
| Q811 | 57G 417 4 | PMBS3904/PHILIPS-SMT(04 |
| Q804 | 57G 417 6 | PMBS3906/PHILIPS-SMT(06 |
| Q812 | 57G 417 6 | PMBS3906/PHILIPS-SMT(06 |
| Q802 | 57G 600 61 | AM4502C-TI-PF S0-8 |
| Q803 | 57G 600 61 | AM4502C-TI-PF S0-8 |
| Q807 | 57G 759 2 | RK7002 |
| Q810 | 57G 759 2 | RK7002 |
| Q808 | 57G 760 4B | PDTA144WK SOT346 |
| Q805 | 57G 760 5B | PDTC144WK SOT346 |
| R921 | 61G0805000 | RST CHIPR 0 OHM +-5% 1/ |
| R922 | 61G0805000 | RST CHIPR 0 OHM +-5% 1/ |
| R906 | 61G0805100 | RST CHIPR 10 OHM +-5% 1 |
| R909 | 61G0805100 1F | RST CHIPR 1KOHM +-1% 1/ |
| R804 | 61G0805102 | RST CHIPR 1KOHM +-5% 1/ |
| R918 | 61G0805102 | RST CHIPR 1KOHM +-5% 1/ |
| R919 | 61G0805102 | RST CHIPR 1KOHM +-5% 1/ |

| | | |
|-------|---------------|-------------------------|
| R832 | 61G0805103 | RST CHIPR 10KOHM +-5% 1 |
| R907 | 61G0805103 | RST CHIPR 10KOHM +-5% 1 |
| R803 | 61G0805104 | RST CHIPR 100KOHM +-5% |
| R813 | 61G0805104 | RST CHIPR 100KOHM +-5% |
| R820 | 61G0805104 | RST CHIPR 100KOHM +-5% |
| R823 | 61G0805105 | RST CHIPR 1MOHM +-5% 1/ |
| R826 | 61G0805105 | RST CHIPR 1MOHM +-5% 1/ |
| R830 | 61G0805105 | RST CHIPR 1MOHM +-5% 1/ |
| R910 | 61G0805123 | RST CHIPR 12KOHM +-5% 1 |
| R829 | 61G0805124 | RST CHIPR 120KOHM +-5% |
| R828 | 61G0805150 1F | RST CHIPR 1.5KOHM +-1% |
| R920 | 61G0805150 2F | RST CHIPR 15KOHM +-1% 1 |
| R802 | 61G0805152 | RST CHIPR 1.5KOHM +-5% |
| R835 | 61G0805152 | RST CHIPR 1.5KOHM +-5% |
| R807 | 61G0805153 | RST CHIPR 15KOHM +-5% 1 |
| R818 | 61G0805153 | RST CHIPR 15KOHM +-5% 1 |
| R810 | 61G0805220 | RST CHIPR 22 OHM +-5% 1 |
| R827 | 61G0805221 | RST CHIPR 220 OHM +-5% |
| R915 | 61G0805300 2F | RST CHIPR 30KOHM +-1% 1 |
| R917 | 61G0805390 1F | RST CHIPR 3.9KOHM +-1% |
| R824 | 61G0805390 2F | RST CHIPR 39KOHM +-1% 1 |
| R911 | 61G0805472 | RST CHIPR 4.7KOHM +-5% |
| R916 | 61G0805510 1F | RST CHIPR 5.1KOHM +-1% |
| R923 | 61G0805510 1F | RST CHIPR 5.1KOHM +-1% |
| R808 | 61G0805511 | RST CHIPR 510 OHM +-5% |
| R831 | 61G0805514 | RST CHIPR 510KOHM +-5% |
| R801 | 61G0805561 | RST CHIPR 560 OHM +-5% |
| R812 | 61G0805561 | RST CHIPR 560 OHM +-5% |
| R819 | 61G0805564 | RST CHIPR 560KOHM +-5% |
| R816 | 61G0805822 | RST CHIPR 8.2KOHM +-5% |
| R821 | 61G0805822 | RST CHIPR 8.2KOHM +-5% |
| R837 | 61G0805911 | RST CHIPR 910 OHM +-5% |
| R838 | 61G0805911 | RST CHIPR 910 OHM +-5% |
| RJ801 | 61G1206000 | RST CHIPR 0 OHM +-5% 1/ |
| RJ802 | 61G1206000 | RST CHIPR 0 OHM +-5% 1/ |
| RJ803 | 61G1206000 | RST CHIPR 0 OHM +-5% 1/ |
| F801 | 61G1206000 4 | RST CHIPR 0 OHM +-5% 1/ |
| R914 | 61G1206204 | RST CHIPR 200KOHM +-5% |
| R825 | 61G1206564 | RST CHIPR 560KOHM +-5% |
| R900 | 61G1206684 | RST CHIPR 680KOHM +-5% |

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|-------|---------------|-------------------------|
| R901 | 61G1206684 | RST CHIPR 680KOHM +-5% |
| R902 | 61G1206684 | RST CHIPR 680KOHM +-5% |
| R904 | 61G1206759 | RST CHIPR 7.5 OHM +-5% |
| C810 | 65G0805102 31 | 1000PF 50V NPO |
| C812 | 65G0805102 31 | 1000PF 50V NPO |
| C822 | 65G0805102 31 | 1000PF 50V NPO |
| C922 | 65G0805102 31 | 1000PF 50V NPO |
| C819 | 65G0805103 32 | 10NF/50V/0805/X7R |
| C820 | 65G0805103 32 | 10NF/50V/0805/X7R |
| C916 | 65G0805104 22 | 0.1UF +-10% 25V X7R 080 |
| C806 | 65G0805104 32 | CHIP 0.1U 50V X7R |
| C807 | 65G0805104 32 | CHIP 0.1U 50V X7R |
| C824 | 65G0805104 32 | CHIP 0.1U 50V X7R |
| C917 | 65G0805104 32 | CHIP 0.1U 50V X7R |
| C921 | 65G0805104 32 | CHIP 0.1U 50V X7R |
| C919 | 65G0805224 22 | CAIP CAP 0.22 uF 25V X7 |
| C815 | 65G0805225 27 | 2.2UF |
| C823 | 65G0805225 27 | 2.2UF |
| C804 | 65G0805471 31 | CHIP 470PF 50V NPO |
| C814 | 65G0805471 31 | CHIP 470PF 50V NPO |
| C817 | 65G0805471 31 | CHIP 470PF 50V NPO |
| C821 | 65G0805473 32 | CHIP 0.047UF 50V X7R |
| C818 | 65G0805682 32 | CHIP 6.8nF 50V X7R 0805 |
| C816 | 65G0805683 22 | MLCC 0805 68NF 25V X7R |
| D803 | 93G 64 42 P | BAV70 SOT-23 |
| D804 | 93G 64 42 P | BAV70 SOT-23 |
| D905 | 93G 6432S | 1N4148W |
| D801 | 93G 6433P | BAV99 |
| D802 | 93G 6433P | BAV99 |
| ZD902 | 93G 39S 17 T | RLZ12B LLDS |
| ZD801 | 93G 39S 24 T | RLZ 5.6B LLDS |
| ZD903 | 93G 39S 25 T | RLZ5.1B BY ROHM |
| ZD901 | 93G 39S 38 T | PTZ 9.1B |
| CN901 | 6G 31500 | EYELET |
| C907 | 6G 31502 | 1.5MM RIVET |
| L901 | 6G 31502 | 1.5MM RIVET |
| L902 | 6G 31502 | 1.5MM RIVET |
| PT801 | 6G 31502 | 1.5MM RIVET |
| Q901 | 6G 31502 | 1.5MM RIVET |
| T901 | 6G 31502 | 1.5MM RIVET |

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|------|-------------------|-------------------------|
| C914 | 65G517K102 5T6921 | 1000PF +-10% 500V Y5P |
| C915 | 65G517K102 5T6921 | 1000PF +-10% 500V Y5P |
| F901 | 84G 55 7W | FUSE 3.15A 250V WICKMAN |
| | 715G1696 3 | POWER BOARD PCB |
| J1 | 95G 90 23 | TINCOATEDCOPPER |
| J304 | 95G 90 23 | TINCOATEDCOPPER |
| J305 | 95G 90 23 | TINCOATEDCOPPER |
| J307 | 95G 90 23 | TINCOATEDCOPPER |
| J309 | 95G 90 23 | TINCOATEDCOPPER |
| J310 | 95G 90 23 | TINCOATEDCOPPER |
| J801 | 95G 90 23 | TINCOATEDCOPPER |
| J802 | 95G 90 23 | TINCOATEDCOPPER |
| J803 | 95G 90 23 | TINCOATEDCOPPER |
| J804 | 95G 90 23 | TINCOATEDCOPPER |
| J805 | 95G 90 23 | TINCOATEDCOPPER |
| J806 | 95G 90 23 | TINCOATEDCOPPER |
| J807 | 95G 90 23 | TINCOATEDCOPPER |
| J808 | 95G 90 23 | TINCOATEDCOPPER |
| J809 | 95G 90 23 | TINCOATEDCOPPER |
| J810 | 95G 90 23 | TINCOATEDCOPPER |
| J811 | 95G 90 23 | TINCOATEDCOPPER |
| J812 | 95G 90 23 | TINCOATEDCOPPER |
| J813 | 95G 90 23 | TINCOATEDCOPPER |
| J814 | 95G 90 23 | TINCOATEDCOPPER |
| J815 | 95G 90 23 | TINCOATEDCOPPER |
| J816 | 95G 90 23 | TINCOATEDCOPPER |
| J817 | 95G 90 23 | TINCOATEDCOPPER |
| J901 | 95G 90 23 | TINCOATEDCOPPER |
| J902 | 95G 90 23 | TINCOATEDCOPPER |
| J903 | 95G 90 23 | TINCOATEDCOPPER |
| J904 | 95G 90 23 | TINCOATEDCOPPER |
| J905 | 95G 90 23 | TINCOATEDCOPPER |
| J906 | 95G 90 23 | TINCOATEDCOPPER |
| J907 | 95G 90 23 | TINCOATEDCOPPER |
| J908 | 95G 90 23 | TINCOATEDCOPPER |
| R833 | 95G 90 23 | TINCOATEDCOPPER |
| R834 | 95G 90 23 | TINCOATEDCOPPER |
| R908 | 61G 17218252T | RST CFR 1.8K0HM +-5% 1/ |
| R806 | 61G 17247152T | RST CFR 470 0HM +-5% 1/ |
| R905 | 61G 20747052T | RST MOFR 47 OHM +-5% 1/ |

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|-------|-------------------|-------------------------|
| R913 | 61G 20747052T | RST MOFR 47 OHM +-5% 1/ |
| R836 | 61G 60251152T | RST CFR 510 OHM +-5% 1/ |
| R903 | 61G212Y15352T | RST MGFR 15KOHM +-5% 1/ |
| R809 | 61G212Y625 KT | RST MGFR 6.2MOHM +-5% 1 |
| R814 | 61G212Y625 KT | RST MGFR 6.2MOHM +-5% 1 |
| C923 | 64G700J1040AT | 0.1UF 50V PEN |
| D902 | 93G 6026T52T | RECTIFIER DIODE FR107 |
| D903 | 93G 6038P52T | PS102R |
| IC903 | 56G 158 4 T | H431BA |
| C918 | 65G 2K152 1T6052 | 1.5NF/2KV Y5P+-10% |
| C920 | 67G 2151097NT | ELCAP 1UF +-20% 50V 105 |
| C909 | 67G 305100 7T | ELCAP 10UF +-20% 50V 10 |
| Q901 | 57G 667 21 | STP10NK70ZFP |
| | 90G6263 1 | HEAT SINK |
| | M1G1730 8128 CR3 | SCREW |
| | 90G6263 1 | HEAT SINK |
| D901 | 93G 60245 | SP10150 |
| | M1G1730 8128 CR3 | SCREW |
| | A34G0053 GM 1B | STAND TOP |
| | A34G0054 GM 1B | STAND BOTTOM |
| | A34G0097 GM 1B 33 | BASE |
| | A37G0007 9 | HINGE |
| | AQ1G1740 12120 | SCREW |

BOM For PWB**SMT6CNNACH1**

| Location | Part No. | Description |
|----------|---------------|-------------------------|
| CN3 | 33G802315A H | WAFER |
| CN4 | 33G802315A H | WAFER |
| | 40G 457624 1B | CPU LABEL |
| IC3 | 56G 379 64 | CT1102 |
| U2 | 56G 562122 | NT68621MEFG-64 |
| U3 | 56G 563 75 | G1084-33T43UF TO-252 |
| IC2 | 56G 563 76 | G960T63UF SOT-223 |
| U4 | 56G 563 77 | G952T43UF TO-252 |
| IC1 | 56G 643 19 | G675L240T1U |
| IC5 | 56G 663 2 | AAT7205 SSOP-24 |
| U1 | 56G1133 56 | M24C16-WMN6TP |
| U6 | 56G113334A | 24LC02B/SNG SOIC-8PIN |
| U5 | 56G4LVC 14 TI | IC SN74LVC14APWR TSSOP- |

| | | |
|------|---------------|--------------------------|
| Q4 | 57G 417 4 | PMBS3904/PHILIPS-SMT(04) |
| Q5 | 57G 417 6 | PMBS3906/PHILIPS-SMT(06) |
| Q8 | 57G 417 6 | PMBS3906/PHILIPS-SMT(06) |
| Q9 | 57G 417 18 T | PMBT3904 SOT-23 |
| Q3 | 57G 763 1 | AO3401L SOT23 BY AOS(A1) |
| Q6 | 57G 763 21 | MMC2301 SOT-23 |
| Q7 | 57G 763 22 | MMC2302 SOT-23 |
| FB10 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| FB6 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| FB8 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R106 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R107 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R160 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R55 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R60 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R65 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R68 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R78 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R79 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R82 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R85 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R86 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R88 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R90 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R93 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R94 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R96 | 61G0603000 | RST CHIPR 0 OHM +-5% 1/ |
| R149 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R150 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R151 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R152 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R153 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R154 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R155 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R156 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R157 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R158 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R163 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R164 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R165 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |

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| R166 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R167 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R168 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R169 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R170 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R171 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R172 | 61G0603100 0F | RST CHIPR 100 OHM +-1% |
| R63 | 61G0603100 1F | RST CHIPR 1KOHM +-1% 1/ |
| R13 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R14 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R180 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R181 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R185 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R186 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R31 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R33 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R35 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R37 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R5 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R6 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R62 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R64 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R67 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R7 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R70 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R72 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R73 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R8 | 61G0603101 | RST CHIPR 100 OHM +-5% |
| R23 | 61G0603102 | RST CHIPR 1KOHM +-5% 1/ |
| R28 | 61G0603102 | RST CHIPR 1KOHM +-5% 1/ |
| R42 | 61G0603102 | RST CHIPR 1KOHM +-5% 1/ |
| R43 | 61G0603102 | RST CHIPR 1KOHM +-5% 1/ |
| R44 | 61G0603102 | RST CHIPR 1KOHM +-5% 1/ |
| R174 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R175 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R176 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R187 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R188 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R59 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |
| R97 | 61G0603103 | RST CHIPR 10KOHM +-5% 1 |

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| R162 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R58 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R80 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R81 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R83 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R87 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R99 | 61G0603104 | RST CHIPR 100KOHM +-5% |
| R29 | 61G0603105 | RST CHIPR 1MOHM +-5% 1/ |
| R126 | 61G0603107 0F | RST CHIPR 107 OHM +-1% |
| R137 | 61G0603107 0F | RST CHIPR 107 OHM +-1% |
| R109 | 61G0603109 | RST CHIPR 1 OHM +-5% 1/ |
| R112 | 61G0603109 | RST CHIPR 1 OHM +-5% 1/ |
| R148 | 61G0603109 | RST CHIPR 1 OHM +-5% 1/ |
| R91 | 61G0603109 | RST CHIPR 1 OHM +-5% 1/ |
| R124 | 61G0603110 0F | RST CHIPR 110 OHM +-1% |
| R130 | 61G0603110 1F | RST CHIPR 1.1KOHM +-1% |
| R138 | 61G0603113 0F | RST CHIPR 113 OHM +-1% |
| R127 | 61G0603130 1F | RST CHIPR 1.3KOHM +-1% |
| R146 | 61G0603140 1F | RST CHIPR 1.4KOHM +-1% |
| R120 | 61G0603150 9F | RST CHIPR 15 OHM +-1% 1 |
| R25 | 61G0603153 | RST CHIPR 15KOHM +-5% 1 |
| R26 | 61G0603153 | RST CHIPR 15KOHM +-5% 1 |
| R38 | 61G0603153 | RST CHIPR 15KOHM +-5% 1 |
| R95 | 61G0603169 0F | RST CHIPR 169 OHM +-1% |
| R144 | 61G0603178 9F | RST CHIPR 17.8 OHM +-1% |
| R136 | 61G0603180 0F | RST CHIPR 180 OHM +-1% |
| R115 | 61G0603182 9F | RST CHIPR 18.2 OHM +-1% |
| R123 | 61G0603191 1F | RST CHIPR 1.91KOHM +-1% |
| R113 | 61G0603200 0F | RST CHIPR 200 OHM +-1% |
| R1 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R16 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R17 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R18 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R19 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R2 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R20 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R21 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R22 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R39 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |
| R41 | 61G0603220 | RST CHIPR 22 OHM +-5% 1 |

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| R116 | 61G0603220 9F | RST CHIPR 22 OHM +-1% 1 |
| R27 | 61G0603222 | RST CHIPR 2.2KOHM +-5% |
| R74 | 61G0603222 | RST CHIPR 2.2KOHM +-5% |
| R75 | 61G0603222 | RST CHIPR 2.2KOHM +-5% |
| R145 | 61G0603232 1F | RST CHIPR 2.32KOHM +-1% |
| R141 | 61G0603237 0F | RST CHIPR 237 OHM +-1% |
| R140 | 61G0603240 1F | RST CHIPR 2.4KOHM +-1% |
| R121 | 61G0603261 1F | RST CHIPR 2.61KOHM +-1% |
| R122 | 61G0603270 0F | RST CHIPR 270 OHM +-1% |
| R9 | 61G0603302 | RST CHIPR 3KOHM +-5% 1/ |
| R108 | 61G0603309 2F | RST CHIPR 30.9KOHM +-1% |
| R114 | 61G0603316 0F | RST CHIPR 316 OHM +-1% |
| R102 | 61G0603333 | RST CHIPR 33KOHM +-5% 1 |
| R84 | 61G0603333 | RST CHIPR 33KOHM +-5% 1 |
| R89 | 61G0603333 | RST CHIPR 33KOHM +-5% 1 |
| R92 | 61G0603333 | RST CHIPR 33KOHM +-5% 1 |
| R133 | 61G0603365 9F | RST CHIPR 36.5 OHM +-1% |
| R117 | 61G0603383 9F | RST CHIPR 38.3 OHM +-1% |
| R142 | 61G0603383 9F | RST CHIPR 38.3 OHM +-1% |
| R105 | 61G0603453 2F | RST CHIPR 45.3KOHM +-1% |
| R131 | 61G0603464 9F | RST CHIPR 46.4 OHM +-1% |
| R40 | 61G0603470 | RST CHIPR 47 OHM +-5% 1 |
| R11 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R12 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R15 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R173 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R177 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R178 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R179 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R183 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R24 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R30 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R32 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R71 | 61G0603472 | RST CHIPR 4.7KOHM +-5% |
| R51 | 61G0603473 | RST CHIPR 47KOHM +-5% 1 |
| R101 | 61G0603474 | RST CHIPR 470KOHM +-5% |
| R190 | 61G0603479 | RST CHIPR 4.7 OHM +-5% |
| R57 | 61G0603513 | RST CHIPR 51KOHM +-5% 1 |
| R111 | 61G0603549 0F | RST CHIPR 549 OHM +-1% |
| R129 | 61G0603576 9F | RST CHIPR 57.6 OHM +-1% |

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| R98 | 61G0603680 2F | RST CHIPR 68KOHM +-1% 1 |
| R184 | 61G0603682 | RST CHIPR 6.8KOHM +-5% |
| R61 | 61G0603750 | RST CHIPR 75 OHM +-5% 1 |
| R66 | 61G0603750 | RST CHIPR 75 OHM +-5% 1 |
| R69 | 61G0603750 | RST CHIPR 75 OHM +-5% 1 |
| R104 | 61G0603750 1F | RST CHIPR 7.5KOHM +-1% |
| R103 | 61G0603787 1F | RST CHIPR 7.87KOHM +-1% |
| R119 | 61G0603845 9F | RST CHIPR 84.5 OHM +-1% |
| R132 | 61G0603845 9F | RST CHIPR 84.5 OHM +-1% |
| R134 | 61G0603910 9F | RST CHIPR 91 OHM +-1% 1 |
| R147 | 61G0603953 9F | RST CHIPR 95.3 OHM +-1% |
| R189 | 61G1206331 | RST CHIPR 330 OHM +-5% |
| C84 | 65G0603101 326805 | 100PF +-10% 50V X7R |
| C12 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C13 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C14 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C15 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C16 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C17 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C20 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C85 | 65G0603103 326805 | 0.01UF+-10% 50V X7R |
| C102 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C103 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C105 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C106 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C108 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C109 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C112 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C113 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C114 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C115 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C116 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C122 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C123 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C124 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C131 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C132 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C133 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C134 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C135 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |

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| C136 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C140 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C141 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C142 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C149 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C151 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C19 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C22 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C24 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C3 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C30 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C32 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C33 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C34 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C35 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C36 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C37 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C38 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C39 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C4 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C41 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C43 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C44 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C47 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C5 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C57 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C58 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C6 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C7 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C70 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C73 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C74 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C76 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C78 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C8 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C82 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C83 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C86 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C89 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C9 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |

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| C90 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C91 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C92 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C94 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C95 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C97 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C98 | 65G0603104 126805 | 0.1UF +-10% 16V X7R |
| C60 | 65G0603104 376805 | CHIP 0.1UF 50V/Y5V |
| C61 | 65G0603104 376805 | CHIP 0.1UF 50V/Y5V |
| C152 | 65G0603105 126805 | CHIP 1UF 16VX7R 0603 |
| C153 | 65G0603105 126805 | CHIP 1UF 16VX7R 0603 |
| C49 | 65G0603105 126805 | CHIP 1UF 16VX7R 0603 |
| C25 | 65G0603105 176805 | 1UF 16V Y5V |
| C26 | 65G0603105 176805 | 1UF 16V Y5V |
| C75 | 65G0603105 176805 | 1UF 16V Y5V |
| C27 | 65G0603220 326805 | CHIP 22PF 50V X7R |
| C29 | 65G0603220 326805 | CHIP 22PF 50V X7R |
| C55 | 65G0603220 326805 | CHIP 22PF 50V X7R |
| C56 | 65G0603220 326805 | CHIP 22PF 50V X7R |
| C10 | 65G0603224 126805 | CHIP 0.22UF 50V X7R |
| C81 | 65G0603272 326805 | CHIP 2700 PF 50V X7R |
| C50 | 65G0805224 176805 | MLCC 0805 0.22UF Z16V Y |
| C51 | 65G0805224 176805 | MLCC 0805 0.22UF Z16V Y |
| C52 | 65G0805224 176805 | MLCC 0805 0.22UF Z16V Y |
| C80 | 65G0805224 226029 | CAIP CAP 0.22 uF 25V X7 |
| C79 | 65G0805475 A56805 | 0805 4.7UF +-10% 10V X5 |
| C1 | 65G1206106 056805 | CHIP 10UF/6.3VX5R |
| C18 | 65G1206106 056805 | CHIP 10UF/6.3VX5R |
| C48 | 65G1206106 176805 | CHIP 10UF 16V Y5V |
| C99 | 65G1206106 176805 | CHIP 10UF 16V Y5V |
| C23 | 67G311F101 3T | CDPH ELCAP 100UF +-20% |
| C31 | 67G311F101 3T | CDPH ELCAP 100UF +-20% |
| C40 | 67G311F101 3T | CDPH ELCAP 100UF +-20% |
| C42 | 67G311F101 3T | CDPH ELCAP 100UF +-20% |
| C21 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |
| C66 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |
| C68 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |
| C71 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |
| C72 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |
| C77 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |

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| C87 | 67G311F4703XT | CDPH ELCAP 47UF +-20% 1 |
| FB2 | 71G 56D102 | B201209D102TTOHM |
| FB1 | 71G 56Z601 M | CHIP BEAD 600OHM |
| FB3 | 71G 59C300 | 30 OHM BEAD |
| FB4 | 71G 59C300 | 30 OHM BEAD |
| FB5 | 71G 59C300 | 30 OHM BEAD |
| L1 | 73G253S 12 K | SMD CHOKE 4.7UH BS0302C |
| VR1 | 75G 359203 P | CHIP VR 20K OHM 3mm c33 |
| D24 | 93G 64 42 P | BAV70 SOT-23 |
| D10 | 93G 6433P | BAV99 |
| D14 | 93G 6433P | BAV99 |
| D6 | 93G 6433P | BAV99 |
| Y1 | 93G 22S 51 | 12MHZ/20PF/AGX-49U/S SM |
| D23 | 93G 39PA34 T | DIODE MM3Z7V5B SEMTECH |
| D28 | 93G 39S 14 T | ZENER DIODE UDV33.3B SO |
| D11 | 93G 39S 34 T | UDZS5.6B |
| D15 | 93G 39S 34 T | UDZS5.6B |
| D16 | 93G 39S 34 T | UDZS5.6B |
| D17 | 93G 39S 34 T | UDZS5.6B |
| D7 | 93G 39S 34 T | UDZS5.6B |
| D8 | 93G 39S 34 T | UDZS5.6B |
| D9 | 93G 39S 34 T | UDZS5.6B |
| D21 | 93G 60S 11 T | ASKS10-04T-G SOD-323-T |
| D18 | 93G 60S 13 T | D-BAT54SW-7-F SOT-323T |
| D22 | 93G 64S 5 | D-BAV99W-7-F SOT323 |
| D25 | 93G 64S523SEM | DIODE IN4148WS SEMTECH |
| D26 | 93G 64S523SEM | DIODE IN4148WS SEMTECH |
| D27 | 93G 64S523SEM | DIODE IN4148WS SEMTECH |
| 7 | 15G1783 2 N | Main Board PCB |
| Q | 40G 58162463A | S/N LABEL |
| Q | 40G 582624 1A | S/N LABEL |

12. Different Parts List

| Diversity of T77CNNMDHAA4NIE compared with T77CNNNKHAA1FIE | | |
|--|-----------------|-------------------------|
| Location | Part No. | Description |
| | KEPC7HA9 | KEY BOARD |
| | 26G 800504 H | BARCODE |
| | 44GH600 1 | HANDLE2 |
| | 50G 600 4 | HANDLE1 |
| | 89G414A15N IS | POWER CORD |
| | 750GLV70M8Q61N | PANEL CLAA170EA08QI 000 |
| | A33G0067 KG L | KEY PAD |
| | A34G0095 KGA9B | BEZEL |
| | H40G 17N61540A | ID LABEL |
| | H40G 58161512A | 712Si 8ms POP LABEL |
| | H41G7800615 7B | WARRANTY BOOKLIST |
| | H41G780061512A | QSG |
| | H44G7007615 1A | CARTON |
| | H70G200761522A | CD MANUAL |
| | Q40G000260811A | Windows Vista logo |
| | Q45G 88618 33 R | OUT PE BAG |
| | Q52G 1185 65 | MIDDLE TAPE |
| DP001 | 81G 12 1F GH | LED 3 Pin |